

20010814.qrp v02_n281.qrl.20010814

Date: Tue, 14 Aug 2001 19:03:07 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2281

QRP-L Digest 2281

Topics covered in this issue include:

- 1) [104798] Re: Neon Bulbs
by George Franklin <w0av@juno.com>
- 2) [104799] Re: Neon Bulbs
by "John Dorson" <JDORSON@worldshare.net>
- 3) [104800] crystal set kit
by paul taylor <ptay1253@yahoo.com>
- 4) [104801] FS: NorCal Epiphyte 3 unbuilt kit
by Michael Bower <bowerm@ix.netcom.com>
- 5) [104802] August 14 Cub Fox Hunt from WA7SPY
by "Glenn Maclean" <wa7spy@home.com>
- 6) [104803] Re: Neon Bulbs
by Phil Wheeler <w7ox@earthlink.net>
- 7) [104804] Yorick a farce
by "Karl F. Larsen" <k5di@zianet.com>
- 8) [104805] IPS REAL TIME HAP CHARTS
by "Patrick Cummins" <pcummins@misnet.com>
- 9) [104806] RE: How do you know if your ground is good
by Nick Kennedy <nkennedy@tcainternet.com>
- 10) [104807] Re: Neon Bulbs
by ARDUJENSKI@aol.com
- 11) [104808] 28.271.5 beacon
by Hugo <hugo@optonline.net>
- 12) [104809] Clarification-Bulbs
by ARDUJENSKI@aol.com
- 13) [104810] Re: "Micro" TE-NE-KEY - more key-foolery
by Dave Redfearn <n4elm@home.com>
- 14) [104811] Northeast Cub Fox getting ready
by "elawson" <elawson@lawson-philpot.com>
- 15) [104812] RE: Resonant vs. Nonresonant Antenna
by Nick Kennedy <nkennedy@tcainternet.com>
- 16) [104813] Re: ZM-2 questions
by Arthur G Silvers <ags@ieee.org>
- 17) [104814] RE: [fpqrp] Anti-ARRL Sentiment
by ac5ez@webtv.net (Larry)
- 18) [104815] RE: [fpqrp] Anti-ARRL Sentiment
by "James R. Duffey" <jamesd1@flash.net>
- 19) [104816] Re: Clarification-Bulbs de 1955 HB

- by "Chuck Carpenter" <w5usj@globeco.net>
- 20) [104817] Re: %20MRX-40%20Receiver%20kit?%20Plus%20FT817%20info
by N0BN@aol.com
- 21) [104818] RE: Neon Bulbs
by John Farler <jfarler@peoplepc.com>
- 22) [104819] Stinger Singer - I LOVE MINE
by "Brian Murrey" <brian@iquest.net>
- 23) [104820] Re: Resonant vs. Nonresonant Antenna
by "George, W5YR" <w5yr@att.net>
- 24) [104821] Re: [fpqrp] Anti-ARRL Sentiment
by N0tk@aol.com
- 25) [104822] Re: Neon Bulbs
by "George, W5YR" <w5yr@att.net>
- 26) [104823] What's wrong with RatShack? - and a solar charger update
by John Rollins <kd7bcy@teleport.com>
- 27) [104824] Anti-ARRL Sentiment
by "Rob Matherly" <kc0bom@yahoo.com>
- 28) [104825] 10 meter QRP beacons
by "Phil (VA3UX)" <phil@vaxxine.com>
- 29) [104826] Re: OT: Moving to OK!
by "Paul Harden, NA5N" <na5n@rt66.com>
- 30) [104827] FOX: cub scoring site updated
by John Wagner <john@wagner-usa.net>
- 31) [104828] August 14 Feast of Saint Maximilian Kolbe
by FrConrad@aol.com
- 32) [104829] Colorado QRP Club Summer QSO Party 2001 - corrected date
by "AB0CD" <ab0cd@uswest.net>
- 33) [104830] Re: Are knots bad for antennas?
by Bill Coleman <aa4lr@arrl.net>
- 34) [104831] Re: Yorick a farce
by "Al Gritzmacher" <ae2t@adelphia.net>
- 35) [104832] Re: Neon Bulbs
by "John Dorson" <JDORSON@worldshare.net>
- 36) [104833] Re: Announcing - QHB Extra!
by "Gene - NN7CK" <nn7ck@mindspring.com>
- 37) [104834] RE: MMANA vs EZNEC
by John R Kirby <n3aaz-qrp@juno.com>
- 38) [104835] RE: What's wrong with RatShack? - and a solar charger update
by "John L. Sielke" <w2agn@pobox.com>
- 39) [104836] QRP Quarterly
by "Francis Callahan" <colcal@srv.net>
- 40) [104837] Re: Anti-ARRL Sentiment
by "Karl F. Larsen" <k5di@zianet.com>
- 41) [104838] Re: Paddles - How does the Norcal Paddle Kit Rate?
by Roy <marion@montana.com>
- 42) [104839] Re: What's wrong with RatShack? - and a solar charger update
by "John Dorson" <JDORSON@worldshare.net>
- 43) [104840] Re: [fpqrp] Anti-ARRL Sentiment

by "Mike Malone" <mmalone@worldlogon.com>
44) [104841] Re: ZM-2 questions
by "Jim Worthington" <ad4j@arrl.net>
45) [104842] URL for ARRL's Maxwell's Reflections
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
46) [104843] RE: [fpqrp] Anti-ARRL Sentiment
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
47) [104844] Help with ID of QRM source
by "Rod Cerkoney, N0RC" <rod@n0rc.com>
48) [104845] Re: Neon Bulbs
by Phil Wheeler <w7ox@earthlink.net>
49) [104846] Re: 20 Meter VFO Questions
by "Lau, Zack, W1VT" <zlau@arrl.org>
50) [104847] Re: What's wrong with RatShack? - and a solar charger update
by "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
51) [104848] Re: Neon Bulbs
by <baltimoremd@baltimoremd.com>
52) [104849] RE: Anti-ARRL Sentiment
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
53) [104850] Re: Anti-ARRL Sentiment
by Bruce Muscolino <w6toy@erols.com>
54) [104851] Re: Help with ID of QRM source
by "Tom Curtola" <tcurtola@home.com>
55) [104852] FS: MP-1 Antenna and Maha battery:
by "Gene Sailsbury" <gsailsbury@mobil1.net>
56) [104853] Re: Help with ID of QRM source
by "Tom Curtola" <tcurtola@home.com>
57) [104854] RE: Anti-ARRL Sentiment
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
58) [104855] TEST message
by Wayne <aa5jj@swbell.net>
59) [104856] Re: Help with ID of QRM source
by "Rod Cerkoney, N0RC" <rod@n0rc.com>
60) [104857] Re: Help with ID of QRM source
by "Rod Cerkoney, N0RC" <rod@n0rc.com>
61) [104858] Re: Anti-ARRL Sentiment
by "Lee S. Mairs" <lmairs@cox.rr.com>
62) [104859] NEQRP SSB NET TONITE 07:30PM EDST abt 7.285+-5
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
63) [104860] Re: Stable 20 Meter VFO Questions
by Hans Summers <Hans.Summers@tudor.com>
64) [104861] QQ
by David Heintzleman <pstrdave@kdsi.net>
65) [104862] RE: How do you Know if your ground is good
by "M. Neiner" <polohat@yahoo.com>
66) [104863] OT: Mobile Installation in Dodge Dakota Truck
by MikeHeit@aol.com
67) [104864] crystal set is gone

- by paul taylor <ptay1253@yahoo.com>
- 68) [104865] RE: Mobile Installation in Dodge Dakota Truck
by <schoon@amgt.com>
- 69) [104866] Re: Anti-ARRL Sentiment
by "Karl F. Larsen" <k5di@zianet.com>
- 70) [104867] Anti-ARRL Sentiment from Karl
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 71) [104868] NEC2D and Yorick
by "Karl F. Larsen" <k5di@zianet.com>
- 72) [104869] RE: Collect QRP-L #'s and win valuable prizes!
by Bill ROWLETT <kc4atu@yahoo.com>
- 73) [104870] VE1\W1BKR\B on 28.271.3
by Hugo <hugo@optonline.net>
- 74) [104871] FS: Don Johnson W6AQQ Original Screwdriver
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
- 75) [104872] Re: Help with ID of QRM source
by "George, W5YR" <w5yr@att.net>
- 76) [104873] Re: How do you Know if your ground is good
by "George, W5YR" <w5yr@att.net>
- 77) [104874] RE: Anti-ARRL Sentiment
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 78) [104875] Re: Anti-ARRL Sentiment
by Bruce Muscolino <w6toy@erols.com>
- 79) [104876] Re: MMANA vs EZNEC
by "Karl F. Larsen" <k5di@zianet.com>
- 80) [104877] My new AD9850 DDS board
by "Leon Heller" <leon_heller@hotmail.com>
- 81) [104878] To Larry about a receiver.
by "Hartwell, Martin E, NLCIO" <mehartwell@att.com>
- 82) [104879] RE: Anti-ARRL Sentiment
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 83) [104880] RE: MMANA vs EZNEC
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 84) [104881] Re: Anti-ARRL Sentiment
by Dave Sjolin <sjolin@swbell.net>
- 85) [104882] Dipole calcs
by ARDUJENSKI@aol.com
- 86) [104883] Dipole Calcs (2)
by ARDUJENSKI@aol.com
- 87) [104884] MP-1 Antenna SOLD
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 88) [104885] RE: Mobile Installation in Dodge Dakota Truck
by <schoon@amgt.com>
- 89) [104886] RE: MMANA vs EZNEC
by "Karl F. Larsen" <k5di@zianet.com>
- 90) [104887] Re: [fpqrp] Anti-ARRL Sentiment
by Jim Lowman <jmlowman@ix.netcom.com>
- 91) [104888] Re: Question on CW beacons

- by John Harper AE5X <ae5x@qsl.net>
92) [104889] FS QRP
by William K Penhallegon <w4stx@juno.com>
93) [104890] Re: [fpqrp] Anti-ARRL Sentiment
by Bill ROWLETT <kc4atu@yahoo.com>
94) [104891] Elecraft at Huntsville Hamfest
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
95) [104892] LIGHTNING STRIKE at K3TKS
by "Marshall Emm" <mgemm@mtechnologies.com>

Date: Mon, 13 Aug 2001 18:11:41 -0500
From: George Franklin <w0av@juno.com>
To: delphinus@brightok.net
Cc: qrp-l@Lehigh.EDU
Subject: [104798] Re: Neon Bulbs
Message-ID: <20010813.181142.-1835329.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Matthew,

The neon bulb worked great as an RF detector, as others have described, but I graduated to the "Christmas tree lamp in series" scheme for tuning, way back when

I initially tried the large, ping-pong ball size neon bulb, and learned to tape it to a stick to keep it from rolling off the table and breaking. They cost about 65 cents back when minimum wage (which I was making) was 25 cents per hour. Ouch! That was when I changed to the Christmas tree lamp, with a preference for the blue ones. Scraping the paint off the bulb allowed me to observe even very low power levels, when the filament glowed red

Using a Marconi or other single-wire type antenna or feed, the Christmas lamp was a fine tune-up indicator.

As the old GI WW2 radios often instructed the operator, "Tune for Max." I never found out why old Max couldn't do that for himself.

With more than 50W, I shunted the lamp across six inches or so of the single-wire antenna/feeder, to keep the lamp from burning out. A buddy of mine destroyed the family cache of Christmas tree lamps, and turned to type 112A tube filaments as a replacement.

Those were the good old AM days, and a whistle would make the tuning lamp flare up on peaks, which gave us assurance that we were "getting out."

At QRP levels, a 150mA (or smaller) pilot lamp would work well, but should be jumpered after tune-up to avoid wasting power. At HF, the detuning effect of the lamp is negligible.

Apologies for the BW; just reminiscing.

72 de George/W0AV
Hamming since 1935; no complaints

Date: Mon, 13 Aug 2001 19:26:41 -0700
From: "John Dorson" <JDORSON@worldshare.net>
To: <Karl.Kanalz@allegiancetelecom.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [104799] Re: Neon Bulbs
Message-ID: <002101c12468\$8ea41040\$496e5a41@john>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

wrong wrong wrong!!!

what we did was to place a fluorescent light next to the feed line or wire if end feed wire ant. use small wattage ones. however for qrp you will most likely not light the bulb.

----- Original Message -----

From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, August 13, 2001 1:43 PM
Subject: RE: Neon Bulbs

> You surely DON'T want to place a neon bulb ".... in the
> transmission line....", Matthew! Nor do you want to put a
> #47 pilot lamp in series with the feedline.... use it as a
> dummy load (or call me on the phone and I'll come over!)
> for QRP is OK.
>
> If you'll re-read those articles about neon bulbs, Matthew,
> I think you'll find that the "neon bulb" was capacitively
> coupled to the feedline (in the "old days", they often used
> end-fed Zepps, "L" antennas (also end-fed)) with only ONE
> terminal of the "neon bulb" connected to the feedline (which
> was also usually the "feedline" of the antenna). The other
> "terminal" was simply the capacitance between the operator's

> hand, or the capacitance between the internal elements of the
> neon bulb and ground (depending on the r.f. power output of
> the transmitter).
>
> In fact, the famous Heakit "AC-1" antenna tuner of the mid-50's
> used an NE-2 neon lamp as the "tuning indicator". It was mounted
> in a rubber grommet on the front panel of the tuner, with only the
> center-pin (of the lamp housing) connected to the r.f. line. It worked
> well with only about 10-25 watts of power (usually from a Heath
> AT-1 transmitter) and an end-fed wire.
>
> How much transmit power are you planning to use, Matthew?
>
> Karl K - W8TIF
> McKinney, Texas
>
> -----Original Message-----
> From: delphinus@brightok.net [SMTP:delphinus@brightok.net]
> Sent: Monday, August 13, 2001 10:21 AM
> To: Low Power Amateur Radio Discussion
> Subject: Neon Bulbs
>
> Gang,
>
> I was reading this weekend about the old timers who used neon bulbs to
tune
> their antennas. They would place one in the transmission line, and then
> tune
> for maximum brilliance. Well, I want to try that out. However, when I
> looked
> in the Mouser catalog, there were many types of neon bulb. Are there any
> suggestions about what current or voltage ratings are necessary to use
them
> to
> tune up? The article suggested the type "NE2," however Mouser had several
> subtypes to choose from.
>
> 73 de Matthew,
> AD5AP
>
>

Date: Mon, 13 Aug 2001 16:36:49 -0700 (PDT)
From: paul taylor <ptay1253@yahoo.com>
To: qrp-l <qrp-l@LEHIGH.EDU>

Cc: Njqrp@njqrp.org
Subject: [104800] crystal set kit
Message-ID: <20010813233649.69312.qmail@web14303.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

crystal set unbuilt. any takers. you pay postage
(heavy)
paul wb2gin

Do You Yahoo!?
Send instant messages & get email alerts with Yahoo! Messenger.
<http://im.yahoo.com/>

Date: Mon, 13 Aug 2001 19:43:14 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [104801] FS: NorCal Epiphyte 3 unbuilt kit
Message-ID: <3B786612.586FED9F@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a NorCal Epiphyte 3 75 Meter SSB UNBUILT kit I don't need.
This kit is the same kit that NorCal was selling last year. Never been
opened.

Will sell for \$100 plus postage. Can take check or PayPal
(bowerm@ix.netcom.com)

Michael N4NMR

--
73 de N4NMR
Michael Bower
Ashburn, VA (near Washington, D.C.)

Date: Mon, 13 Aug 2001 16:48:52 -0700
From: "Glenn Maclean" <wa7spy@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [104802] August 14 Cub Fox Hunt from WA7SPY
Message-ID: <001301c12452\$81ab7420\$6401a8c0@home.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi and Greetings from the left coast Sacramento, CA. My name is Glenn WA7SPY. I will be one of the Cub Foxes Tuesday night August 14. Time will be 02:00 UCT.

Look for me around 14.061 plus or minus. I have lots of free pelts to give just for the asking. I will be using my K2 and Carolina Windom at 55 feet. The other hound will be Ed K1VP between 14.51 and 14.055

The exchange is CALL RST SPC Name Power.

Here is an example of the exchange I will give the hounds call at the beginning and end of the exchange.

N6OQN 559 CA Glenn 5W N6OQN de WA7SPY BK

Then you send me your exchange.

That is pretty much it Good luck,
Glenn Maclean WA7SPY
Sacramento, CA

Date: Mon, 13 Aug 2001 16:52:39 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: JDORSON@worldshare.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104803] Re: Neon Bulbs
Message-ID: <3B786847.CAD99047@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John Dorson wrote:

>
> wrong wrong wrong!!!
>
> what we did was to place a fluorescent light next to the feed line or wire
> if end feed wire ant. use small wattage ones. however for qrp you will most
> likely not light the bulb.

That, too, John: But I found NE-2s to be a more convenient size :-;

Some of the local lamps did light some though .. saying something about the RF in the shack :-)

Phil W7OX

Date: Mon, 13 Aug 2001 18:04:24 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [104804] Yorick a farce
Message-ID: <Pine.LNX.4.33.0108131802540.3460-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sorry but Yorick is a program that *MIGHT* work with NEC2 but it has no NEC2 in it. I was mislead by the docs.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 13 Aug 2001 19:04:20 -0500
From: "Patrick Cummins" <pcummins@misnet.com>
To: <qrp-l@Lehigh.EDU>
Subject: [104805] IPS REAL TIME HAP CHARTS
Message-ID: <000001c12454\$c81ed080\$bcc194d0@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey there y'all:

Does anyone know what is happening with the IPS Real Time HAP Charts? I used to use them quite consistantly but lately (for about the past 2 months or so) they have been days without updates. Is it a problem there or is it a problem with us giving them information, or a combination of both.

I am not complaining since they are produced by the Australians. It was just a nice thing to have from some nice people. I am really curious as to what is happening with them. (Since I am in central mississippi, I used to use the New Orleans charts several times a day.) Thanks for any information you can give me.

Patrick S. Cummins W5PSC
pcummins@misnet.com

Date: Mon, 13 Aug 2001 19:09:39 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'polohat@yahoo.com'" <polohat@yahoo.com>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [104806] RE: How do you Know if your ground is good
Message-ID: <01C1242B.80B7B000.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In general, I'd think your G5RV wouldn't need a ground at all. Is something causing it to be unbalanced? Runs close to a metal building or structure? Feedline doesn't come away at right angles? If you have problems with imbalance, you might want to try a choke balun on your coax.

I don't know what to think about the sidetone thing. Is that the only problem, or are you not getting out well? (Ho--I guess you did say that you aren't happy with the antenna's performance.) How high is the antenna? If it's pretty low, you're probably going to have good results close in but not so good farther out. If you can't get it up high, a vertical might be the only way to improve your radiation angle. If antenna height is the problem, I doubt if a counterpoise would help the G5RV.

Does part of the antenna run right above your operating position? In that case I'd imagine you'd have rf in the shack regardless of feedline balance or how good your ground rod is. Don't know that it would do any harm, though.

I'd think the steel ground rod would be OK unless it starts to corrode away.

72--Nick, WA5BDU

-----Original Message-----

From: Mike and Maile Neiner [SMTP:polohat@yahoo.com]
Sent: Monday, August 13, 2001 12:21 PM
To: Low Power Amateur Radio Discussion
Subject: How do you Know if your ground is good

I'm using a Norcal 40A into a G5RV dipole approx 30 ft

up. I have an 8 foot rod driven into the ground, but do not believe it's copper (looks like steel).

When transmitting on 40 meter's, I notice that when I touch the rig, my sidetone increases in volume. Power out as eye-balled on my tuner doesn't seem to increase though. I've been wondering if I don't have RF in the shack and if so, what do I do.

Q. Would it help my G5RV to use a counterpoise of XX amount of length?

Putting the DIPOLE up any higher is not possible. Can I improve my ground which will improve my signal. Currently I get down to Southern Ca from Seattle Area and that's about it!

Any Help would be appreciated

Mike

Do You Yahoo!?

Send instant messages & get email alerts with Yahoo! Messenger.
<http://im.yahoo.com/>

Date: Mon, 13 Aug 2001 20:14:07 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [104807] Re: Neon Bulbs
Message-ID: <fd.a8da66e.28a9c74f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

PRACTICAL WIRE ANTENNAS by Heyes has a set up using bulbs and a parallel 300 ohm line for measuring indirectly SWR see page 84
Alan KB7MBI

Date: Mon, 13 Aug 2001 20:15:13 -0400
From: Hugo <hugo@optonline.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104808] 28.271.5 beacon
Message-ID: <004101c12456\$306e31c0\$7dd82c18@hugocatt>

MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

VE1\W1BKR\B Henry Island
We are trying to determine the radiation pattern.
Reports will be greatly appreciated

TNX ES 72,
Hugo
AA1XV

Date: Mon, 13 Aug 2001 20:27:44 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [104809] Clarification-Bulbs
Message-ID: <24.17b45185.28a9ca80@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

For clarification the article in PRACTICAL WIRE ANTENNAS has two neon bulbs
--one measures forward and the other reflected--Alan KB7MBI

Date: Mon, 13 Aug 2001 19:26:14 -0500
From: Dave Redfearn <n4elm@home.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104810] Re: "Micro" TE-NE-KEY - more key-foolery
Message-ID: <3B787026.51DB6A1E@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Speaking of Dennis' really neat keys and the excellent Elecraft radios,
check out a couple of pictures of a "work-in-progress" modification to
mount
a TE-NE KE on my Elecraft K1 Tilt stand:

<http://www.members.home.net/n4elm/key01.jpg>

<http://www.members.home.net/n4elm/radio01.jpg>

73 - Dave

=====

Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Mon, 13 Aug 2001 20:29:19 -0400
From: "elawson" <elawson@lawson-philpot.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [104811] Northeast Cub Fox getting ready
Message-ID: <005e01c12458\$29269180\$0e01a8c0@office.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hopefully for this coming Cub Fox hunt the jitters will not be as bad as the first time at this little den up in the northeast corner. Last time the keyer sent fok as opposed to fox when asked to slow up and things got more disorganized from there. This time everything will be tested and ready to go....hopefully including the operator.

Anyway I will be using the OHR 500 with a ladder line fed doublet and will be peeking out of the den at 0200 to 0400Z Tuesday evening.

I will be operating as the "low fox" somewhere between 14.050 and 14.054. If I were a hound I'd listen around 14.052 at first. This Cub Fox will be listening up around 1KC at the start. As activity diminishes, I will get closer to my freq. Once I start listening on freq, I will add "on freq" to the CQ. Otherwise I will not listen nor return calls on my freq. I won't care how strong you are. It is my rule and I will stick with it.

Being a Cub Fox you cannot expect to send anything over 13 WPM and expect me to copy it. I may be faster, but I will pay particular attention for Hounds that are in the range of 10 to 13 WPM and give them preference. Its a Cub Fox Hunt.

Exchange info.
I will call

CQ FOX CQ FOX DE K1VP K

I will respond to a call from W1PID as follows:

W1PID 559 NH ED 5W W1PID DE K1VP BK

I will expect to get something like this back:

R R 559 JIM NH 1W TU DE W1PID BK

I will either ask for repeats (likely) or if I copied everything I will reply:

R R TU QRZ FOX DE K1VP K

Good luck to all of you and I hope for better conditions this time so I can manage to work more of you.

Ed Lawson
K1VP

Date: Mon, 13 Aug 2001 19:34:33 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'w5yr@att.net'" <w5yr@att.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104812] RE: Resonant vs. Nonresonant Antenna
Message-ID: <01C1242E.FB8E7F40.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello George--

-----Original Message-----
From: George, W5YR [SMTP:w5yr@att.net]

The conjugate match achieved at the tuner output or line input (there is some argument over the exact point in the system where the match occurs) creates a conjugate match at every other junction in the system.

How does that happen? Say you've got a transition from 450 ohm ladder line to 50 ohm coax in the middle of the transmission line. (Like in a G5RV.)

Then at the transmitter end of the 50 ohm coax, you've got some ungodly sum of resistance and reactance. You use a tuner to transform this to 50 ohms resistive. Now, does that make the 450 ohm to 50 ohm transition way

up the line conjugately matched? I don't see how it could.

I don't understand all the emphasis on conjugate matching here. It's useful when discussing maximum power transfer, but here your goal is to transform the impedance at the transmitter end of the line to the 50 ohms that the transmitter is rated for. It seems like that says it much more simply, regardless of whether any conjugate matches are occurring. BTW--I refer to "Reflections" periodically and find it to be pretty educational. (I admit to being a transmission line neophyte.) But all that conjugate matching seems to complicate things needlessly.

Thus, even though the antenna itself may not be resonant in the sense of being a one-half wavelength wire, for example, it becomes resonant in the zero reactance sense when the tuner at the input end of the line is adjusted to present a 50-ohm resistive load to the transmitter.

Right. But I thought Karl's argument was with regard to the "antenna" part of the system--the radiating part. His assertion was that if that part as a component is resonant, then maximum radiation occurs. I agree that you can resonate the system consisting of the antenna and the line, even though the antenna is not resonant at its feedpoint.

72--Nick, WA5BDU

Date: Mon, 13 Aug 2001 17:26:56 -0700
From: Arthur G Silvers <ags@ieee.org>
To: bowerm@ix.netcom.com
Cc: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [104813] Re: ZM-2 questions
Message-ID: <3B787050.9462918A@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Michael,

I also have a ZM-2 and an MFJ-259B. I use the ZM-2 with various antennas and rig combinations. All I can say is thank heaven for the MFJ ant analyzer. In most cases I can get the LED to go out. In my latest attempt, however, with a 90 ft wire antenna and 17 ft counterpoise on 20 meters, I have had to rely entirely on the analyzer. I tune the ZM-2 with the analyzer in place of the xcvr and null out the swr on the analyzer. This is done in operate mode of the ZM-2. If at that time I switch to tune mode, I find that with the low power level of the analyzer the LED is out.

Then replacing the analyzer with the xcvr, I notice the LED is still very lit in tune mode. It could be that with some antennas, the tuning becomes very critical and the slightest load variation causes a voltage across the ZM-2s SWR bridge especially with higher output (5w or so) QRP rigs.

A small inconvenience to be certain and not one you would want to run into in the field. But operating that way, I was able to complete a California to Germany QSO for, perhaps more than 1000 miles per watt.

I am still very pleased with the ZM-2 and of course the MFJ-259B.

What antenna configuration were you tuning at the time and at what power level?

72/73
Arth W6AGS

Date: Mon, 13 Aug 2001 19:43:41 -0500 (CDT)
From: ac5ez@webtv.net (Larry)
To: qrp-1@lehigh.edu
Subject: [104814] RE: [fpqrp] Anti-ARRL Sentiment
Message-ID: <20877-3B78743D-2321@storefull-115.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

At one time I thought the amateur exams were to measure the applicants technical grasp of the subject. This is evidently no longer the case ? Now its just a test of his potential and of his tendency to follow rules ?

K1zw
Larry
Qcwa

Date: Mon, 13 Aug 2001 18:52:52 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>
Subject: [104815] RE: [fpqrp] Anti-ARRL Sentiment

Message-ID: <B79DD282.C9D7%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Both Bush (non W version) and Carter knew CW as a result of their military background. It doesn't look like CW as a riff-raff filter works in politics. Just like Ham Radio. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Mon, 13 Aug 2001 19:53:23 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: ARDUJENSKI@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [104816] Re: Clarification-Bulbs de 1955 HB
Message-ID: <3.0.2.32.20010813195323.006bc4b4@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:27 PM 8/13/01 EDT, ARDUJENSKI@aol.com wrote:
>For clarification the article in PRACTICAL WIRE ANTENNAS has two neon bulbs
>--one measures forward and the other reflected--Alan KB7MBI
>

There's a similar idea in the 1955 ARRL Handbook. Page 476, figures 21-43 and 21-44.

What's old is new... 8^)...

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #749, RARA #3, NETXQRP Web Site <http://www.netxqrp.org>

Date: Mon, 13 Aug 2001 21:18:27 EDT
From: NOBN@aol.com
To: qrp-l@lehigh.edu
Subject: [104817] Re:%20MRX-40%20Receiver%20kit?%20Plus%20FT817%20info
Message-ID: <69.19719a0d.28a9d663@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

The Columbus QRP Club is no longer kitting the MRX-40 but Far Circuits has the PCB and construction manual.

Date: Wed, 08 Aug 2001 22:35:57 -0400
From: John Farler <jfarler@peoplepc.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [104818] RE: Neon Bulbs
Message-ID: <3B71F70D.88FFE3B6@peoplepc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One trick I remember was using a #47 as a tune up indicator in a single wire feedline. I used what was called an "off center fed dipole," that was fed at a calculated point on a single strand of wire one half wavelength with another single wire

Anyhow, you could put a #47 bulb across a 18 - 30 inch span of the feeder near your rig and tune it for maximum brilliance. I was running maybe ten watts out or so. This might work with end fed wires, but you could put the bulb in series with low power as someone else said.

As I recall, there was also a circuit using either two #47's or two NE-2's that would show you the swr on a twin lead feeder. You made a closed

loop on another piece of twin lead,
taped it against the feedline,
and one lamp showed forward power
and the other reflected. I never
made this one, so don't remember
the exact circuit...

J. Farler
K4AVX

> From: delphinus@brightok.net [SMTP:delphinus@brightok.net]
> Sent: Monday, August 13, 2001 10:21 AM
> To: Low Power Amateur Radio Discussion
> Subject: Neon Bulbs
>
> Gang,
>
> I was reading this weekend about the old timers who used neon bulbs to tune
> their antennas. They would place one in the transmission line, and then
> tune
> for maximum brilliance. Well, I want to try tha

Date: Mon, 13 Aug 2001 21:14:23 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "pigs" <fpqrp-l@mpna.com>
Subject: [104819] Stinger Singer - I LOVE MINE
Message-ID: <00cd01c12466\$d6b784e0\$d12f2bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just spent an hour putting together the Stinger Singer...and it worked
without smoke, the very first time!!

I LOVE stuff in Altoid boxes and this is just way neat.

Did I see somewhere someone had built this to use as a crystal checker? I'd
like to see how they did that.

Scqrptions!! YOU GUYS ROCK!

=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223

39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Member of the American Radio Relay League - SOC #400
FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====

Date: Mon, 13 Aug 2001 21:18:20 -0500
From: "George, W5YR" <w5yr@att.net>
To: nkennedy@tcainternet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104820] Re: Resonant vs. Nonresonant Antenna
Message-ID: <3B788A6C.7020301@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi, Nick

Any effort on my part to "explain" the Conjugate Match theorem would (a) require more bandwidth than we should use here and (b) merely repeat what Walt Maxwell has already said much more effectively than I could ever hope to do.

Quoting from Chapter 17 of "Reflections"

"If a group of four-terminal networks containing only pure reactances (or lossless lines) are arranged in tandem to connect a generator to its load, then if at any junction there is a conjugate match of impedances, there will be a conjugate match of impedances at every other junction in the system."

This is a very basic, fundamental circuit theorem concerning the interconnection of two-terminal-pair networks. Maxwell cites "Communication Engineering" (1937) by W.L. Everitt as his basic reference for the theorem.

Networks and lines with negligible loss behave essentially in the same manner as true lossless components.

I recommend that anyone with an interest in understanding the operation of transmission lines, tuners, and the like invest the time and few dollars required to work through Reflections, either the original version or the new release.

The basic QST articles that were first published in the early 70's can be found on the ARRL web site for downloading if finding a copy of Reflections becomes a chore. The book elaborates on the original articles and adds some

new material, but the gist of the book can be obtained from reading the articles.

The presentation is reasonably non-mathematical although any treatment without some degree of math involved would lack the depth required to cover the main points. As to your observation that the emphasis on conjugate matching complicates the subject, I can only say that conjugate matching theory is required to explain what is happening in the system and cannot be avoided. Historical attempts to do so have led to much of the confusion and mis-information that prevails about antenna systems.

The reason that Maxwell's articles and later books have made such an impact in this area of amateur radio is that he made accessible in a readable fashion a basic aspect of transmission line operation: conjugate matching in a tuned antenna system. This is an area that has long been well understood in the professional arena and has formed the basis for modern antenna system design. But the complexity of the mathematics and general level of discussion in the professional literature placed the subject area off limits for the average non-engineer ham.

The point referenced in your final paragraph is that the actual antenna itself, even if non-resonant in its own dimensions, etc. becomes resonant at its feedpoint in a properly tuned system. The key is that the impedance present at the output of the tuner at the line input (which is required to transform the line input impedance into the 50-ohm load required by the transmitter) is transformed by the line (or lines) at the load end to the impedance required at the antenna input terminals to cancel any reactance present and to cause the antenna to present a resistive or resonant load.

To put it another way, whatever impedance is present at the antenna feedpoint is transformed by the transmission line to some line input impedance. When the tuner is properly adjusted, it presents a conjugate match impedance as a load for the line which so functions as to (a) cause the impedance seen looking into the tuner input to be the desired 50 ohm resistive load for the transmitter and (b) provides a source impedance for the line to transform back to the load end which will cause the antenna input impedance to have a purely resistive value.

Quite an amazing feat for a couple of variable caps and an inductor!

Nick, to conserve bandwidth, I am not quoting your response so please do not take offense. I appreciate your note and your interest. I am flattered that you would ask for more information! <:}

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Date: Mon, 13 Aug 2001 22:20:10 EDT
From: N0tk@aol.com
To: w1rfi@arrl.org, qrp-1@lehigh.edu
Subject: [104821] Re: [fpqrp] Anti-ARRL Sentiment
Message-ID: <cc.194b0c5c.28a9e4da@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

First, my apology in advance for commenting on this. Second, I have a biased opinion because I'm a 40 year supporter of the ARRL and am a life member of the same. Third, I currently operate exclusively cw with QRP transmitters. My question is, what's wrong with the 5 wpm testing for all license classes? The cw portions of the bands are not exactly overpopulated except during major contest weekends. If the contest ops don't slow down, and no one should expect them to, then the 5 wpm and improving crowd would most likely have more incentive to get to higher speeds. The rest of the time, the upper frequency portions of the cw bands have ample spectrum to be used to build code speed.

I grew up within 10 miles of W1AW and seldom used their code practice runs to improve my cw speed. On the air operating with patient ops on the other end helped much more.

The beauty of ham radio IMHO is the many facets that it has. Lots of room for gaining technical knowledge and even training by doing. Antenna experimentation pays dividends on SSB as well as on cw. The current crop of 5wpm amateur extra class licensees passed a test on a much more varied subject pool than I did to get mine.

72

Dan N0TK

Date: Mon, 13 Aug 2001 21:32:25 -0500
From: "George, W5YR" <w5yr@att.net>
To: jfarler@peoplepc.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104822] Re: Neon Bulbs
Message-ID: <3B788DB9.2090804@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

John is referring to the famous Twin Lamp SWR indicator from back in the 40's. I made one when the QST article came out - sorry, but cannot recall

when - and hung it on my 20-meter folded dipole feedline. According to the results, my SWR was *large* to say the least.

With a serious lack of understanding as to what I was doing, I simply removed the device and went back to working DX on 20 cw!

The unit used two #47 lamps - not neons - and the device not only had to be taped onto the twinlead for inductive coupling but also had to be connected at one point to one side of the twinlead.

It was probably the first usable SWR indicator for Joe Ham to make up and use. Of course, in those days, only the experts really understood anything about SWR and its effects.

Thanks for the memories, John.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

John Farler wrote:

> As a novice in '57, I remember using
> neon and #47 bulbs in several ways
> as rf indicators....meters were
> kind of expensive for a teen ager.
>
> As I recall, there was also a circuit
> using either two #47's or two NE-2's
> that would show you the swr on a
> twin lead feeder. You made a closed
> loop on another piece of twin lead, and
> taped it against the feedline, an
> and one lamp showed forward power
> and the other reflected. I never
> made this one, so don't remember

> the exact circuit...

Date: Mon, 13 Aug 2001 19:42:23 -0700
From: John Rollins <kd7bcy@teleport.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [104823] What's wrong with RatShack? - and a solar charger update

Message-ID: <a05010400b79e3c92d603@[216.26.3.235]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii" ; format="flowed"

I'm going with a modified version of the SunSwitch that is found in Home Power #63. Funny how most of the small(er) electronics places don't have much in the way of power MOSFETs and Schottky diodes... I found the IRFZ34 at Radio Shack, but was otherwise stuck with Newark or getting NTE parts, and didn't want to try to switch a full online basket over to Newark from the other places... Oh well. Ended up with an 8A/50v Schottky from Radio Shack(listed parts were either 8 or 10A at 45v, but only available from Newark). So now I've got a few interesting special order parts. I hop on down to Radio Shack, buy an arm load of misc. parts, and head for the counter. Gee, where's the RSU catalog? Oh. They trashed them. What? Can't look it up on the new POS terminals? Ugh! No, I didn't write down the numbers from the web site. OK, so I go home and look it up. A few hours later I'm back. Now the POS won't take the 900 RSU numbers!!! All we can figure is that it hasn't been setup for the POS terminals yet. I would have ordered from home, but the ordering page didn't want to load... I guess I could've called them on the phone, but it's been a bad enough day already. Went out on a bike ride and the damned Pepsi can blew up! Soaked everything... Luckily the VX-5 and cell phone survived, just a bit sticky. Same goes for the bike, although I should probably go out back and hose it down before the ants attack. Just one of those days...

But I did manage to snag an '02 catalog(free, BTW)! Looks like a USEABLE dual band HT, no more low powered over priced junk. No HTX-10, though... Hmm. New TrunkTracker scanners, 300 channel instead of 500. Hmm. \$250 for the new model, yet the old 500ch model has been reduced to \$250! Either there's a new feature I haven't noticed yet, or they're dumping the 500's. And has anyone noticed how they don't sell full-coverage scanners anymore? Lots of gaps, and not just the cell phones. 54-108, 174 thru anywhere between 216 and 380 depending on model, a few with gaps between 220 band and 400, and nothing covers 512-806 either. Glad I got my Pro-60!

--

```
/-----\  
| http://jrollins.tripod.com/           |  
| KD7BCY      kd7bcy@teleport.com      |  
\-----/
```

Date: Mon, 13 Aug 2001 21:44:54 -0500

From: "Rob Matherly" <kc0bom@yahoo.com>

To: "John L. Sielke" <w2agn@pobox.com>, <fpqrp-1@mpna.com>, "Low Power Amateur

Radio Discussion" <qrp-l@lehigh.edu>
Subject: [104824] Anti-ARRL Sentiment
Message-ID: <001101c1246b\$f9d6f780\$7d11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> How come Ed and Brucie are posting their responses to this thread, from
fpqrp-l, on
> QRP-L? Is this a new plot to drive QRP-L nuts? If so, I hate to tell you,
but it's
> too late!

Whoops, guess my original post didn't get through. Here it is again:

In light of the recent anti-ARRL postings here, there, and everywhere, I
figured I'd post a reply I posted at qrz.com in response to an anti-ARRL
story posted by some guy from something called cw revolution.

<<

This is for all you non-ARRL member ARRL bashers out there. Do you actually
expect an organization you refuse to join to make decisions based on your
opinions? Of course not! If you don't like the way the ARRL does things,
then either join and vote for who best represents your opinions or run
yourself, form your own club and _try_ to get people to join, or just be
quiet!

All this ARRL bashing seems to come from this pathetic attitude that almost
everyone has anymore of "I want what I want now or I'm taking my ball and
going home". Do you actually expect an organization that represents
thousands of people to do everything YOU want? I don't agree with everything
they do, but consider the alternative. If there were no ARRL, who would
lobby congress and the FCC on our behalf? NO ONE. Consider the recent
election. Did I think that GWB was the best Republican candidate? No, but he
was a hell of a lot better than the other guy so I voted for him anyway!

Like it or lump it, the ARRL is the only game in town, and if it weren't for
them, there probably wouldn't even be ham radio. As for me, I will continue
to support them until they lobby for no licensing what so ever which I
seriously doubt will ever happen.

>>

There, the deed is done. Get out the hamburgers and hot dogs, I'm ready for
a barbecue. Be advised - those who send me really nasty personal messages
insulting me and the horse I rode in on will have to bring the chips and one
covered dish, preferably one you didn't spit in.

72/73/oo
Rob, kc0bom

p.s. - Don't flame me on the GWB thing. I didn't post about that, and I won't pay attention to messages about that.

=====
FPQrp #330; Qrp-L #2346; Live-Wire #442; ICQ #114690148
=====
I hate Jeff Gordon and the New York Yankees and I'm proud of it!
=====
Visit my ham radio / Mystery Science Theater 3000 website!
<http://www.geocities.com/kc0bom>
Go see it today!
=====
Are you a ham near the Lake Rathbun Iowa area? Join the club!
<http://clubs.yahoo.com/clubs/rathbunareahams>
=====
Use Drake ham radio equipment? Check out my group!
<http://groups.yahoo.com/group/drake-radio-operators>
=====

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 13 Aug 2001 22:52:09 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: qrp-l@Lehigh.EDU
Subject: [104825] 10 meter QRP beacons
Message-ID: <5.0.2.1.0.20010813224723.009fb560@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Heard a few more qrp beacons on 10m tonight while listening to VE1/W1BKR. I don't make a habit of listening to these things but it was interesting just the same :

28.245.5 VE9BEA/B Crabbe Mountain, FN66 3 watts

28.236 VE1CBZ/B

28.196 VA2MGL/BCN4 (beacon #4 ?) FN47 2 watts

Phil

Date: Mon, 13 Aug 2001 21:19:40 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: k5oi@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104826] Re: OT: Moving to OK!
Message-ID: <Pine.SUN.4.10.10108132003060.11856-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 13 Aug 2001 k5oi@arrl.net wrote:

> Gang:

>

> I'm moving to Oklahoma! The moving van is loading as we speak.

> Good bye to my New Mexico friends and hello to OK.

> Tim K5OI

Good bye my good friend. You have held the reputation of New Mexico QRPers to high standards. Without you, New Mexico's reputation is left in the hands of me, Dr. Megacycle, that "spud gun" guy and Jay Miller. Scary thought, huh? Only thing worse is if David Parker Ray was a ham! (inside NM thing). Thank goodness we still have a few gentlemen left, like Bruce AA5B and K5DI, to keep NM in the union.

Seriously, we'll miss you, Tim. A good friend and first class gentleman. I wish you the best in Stillwater, OK. Perhaps we can all rendezvous, randevoux, rendezvous, ah heck, get together next year at Ft. Smith for ArkieKong. I'll bring some green chili. You'll be dying for the stuff about then :-)

Of course, I'd have an entirely different viewpoint had you decided to move to Texas (Baja Oklahoma)!!!

Adios mi amigo.

72, Paul NA5N

Date: Mon, 13 Aug 2001 23:26:38 -0400
From: John Wagner <john@wagner-usa.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104827] FOX: cub scoring site updated
Message-ID: <3B789A6E.3FB06B1A@wagner-usa.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I put in a couple hours this evening on the foc cub scoring website.

<http://www.neknetwork.com/foxcub2001/>

New features include;

- * QRZ.COM links everywhere you find a callsign - makes it easy to look people up

- *The main page includes the cumulative time in minutes it took a particular hound to gather X number of pelts. Hounds who are foxii get a zero minute pelt for their hunts. This now tells us that Doc, K0EVZ leads the pack with 10 of 11 pelts (I'm missing one log) with 279 minutes in the field.

- *The log view page breaks out by SPC (QTH) and lists the hounds in that SPC that pelted

- *Added some behind the scenes stuff for "bifurcating hounds" (I think that's a Tom, N1TP saying). So if anyone changes their call sign mid-hunt the software will automatically move the pelts around. This isn't ideal, as I'd like to display the fact that call sign changed (somehow without cluttering things up too much).

Still need to come up with a regexp to find valid call signs (not too hard, just haven't done it yet). I continue to be plagued by ZERO's and O's (oh) getting entered in wrong places.

73 de John, N1Q0 (oh)

--

John Wagner - john@wagner-usa.net
Web page: <http://www.neknetwork.com>

Date: Mon, 13 Aug 2001 23:51:28 EDT

From: FrConrad@aol.com
To: qrp-l@lehigh.edu
Subject: [104828] August 14 Feast of Saint Maximilian Kolbe
Message-ID: <70.e7d331c.28a9fa40@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

To all,

At the risk of offending the militantly irreligious, I would humbly remind the list that today is the Feast Day of Saint Maximilian Kolbe, arguably the Patron Saint of Amateur Radio Operators (among a great number of other nefarious types). I will celebrate a mass this morning in his name and perhaps some of you might want to give a moment of prayer or reflection to this SK.

My friend Ken Hoglund, of this list, sent along the following which gives a little insight into the man.

Amateur Radio News 5/22/1995

A GIFT OF LIFE

G4KSJ reports that ninety four year old Frank Gajowniczek passed away. Fifty years ago, in the Auschwitz Concentration Camp, his life was spared when the Polish priest and Radio Amateur, Father Maximilian Kolbe, SP8RN, offered His life in exchange for the life of condemned Gajowniczek. The Camp Commandant accepted the offer. Father Kolbe died by starvation.

May light perpetual shine upon him.

John+

Date: Mon, 13 Aug 2001 22:43:10 -0600
From: "AB0CD" <ab0cd@uswest.net>
To: "cqclist" <CQCLIST@EGROUPS.COM>, "QRP-L" <qrp-l@Lehigh.edu>
Subject: [104829] Colorado QRP Club Summer QSO Party 2001 - corrected date
Message-ID: <000701c1247b\$9f2a2040\$c79fa0d8@dnvr.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Colorado QRP Club Summer QSO Party 2001

Sunday, August 26, 2001
(note corrected date)

1800 UTC to 2359 UTC

Exchange: RS(T), State/Province/Country, First Name, and Member # if CQC member, power output if not ie: 579 CO Jim NR 04

Suggested frequencies: CW: 1825, 3560, 3710, 7040, 7110, 14060, 21060, 21110, 28060, 28110; SSB: 1910, 3985, 7285, 14285, 21385, 28385; No contacts on 30, 18 and 12 meters allowed.

Classes: Single Band; Multi-band (all single operator only); Portable (away from home QTH, portable power, portable antenna)

QSO Points: CW-CQC member 6 pts, non-member 4 pts; SSB-CQC member 3 pts, non-member 2 pts

Multiplier: States/Provinces/Countries worked -- The same station may be worked on different bands for additional QSO points and multipliers. Contacts on the same band using a different mode counts for QSO points, but not as an additional multiplier

Names: Total of first names from Name sheet. One first name per letter of the alphabet. Name must be your commonly used first name.

Score: Total Score = QSO Points x Multipliers x Names

Bonus points for working Club Station W0CQC - Add 1000 points to your FINAL score for working W0CQC

Power: Stations must use 5 watts or less output, CW or SSB. There are no power multipliers.

Awards: To Be Determined, Highest Score in each class

Logs: Submit log postmarked within 30 days of contest end (09/27/01) showing: Band, Mode, Time UTC, Station Called, RST Rc'd, SPC Rc'd, Name Rc'd, Memb# Rc'd (or pwr out if not CQC member), SPC Mult., Name mult. Points

On a cover sheet include your name, call, SPC, CQC# (if member), power used. A description of your rig, antenna, and comments would be appreciated. Also include a score recap, the calculation of your total final score.

Electronic logs: ASCII text format only, may be sent to: contest@cqc.org

Mail logs: Contest, CQC, POB 371883, Denver CO 80237-1883

For sample Log, and Name sheets, send SASE and one unit first class postage to:

Jim-KG0PP-CQC Contest
P.O.Box 31575
Aurora, CO 80041-0575

Date: Tue, 14 Aug 2001 01:48:46 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <hosinsky@jet.es>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [104830] Re: Are knots bad for antennas?
Message-ID: <20010814054947.RVUP25421.imf17bis.bellsouth.net@[192.168.0.20]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 7/30/01 3:30 PM, Goran Hosinsky at hosinsky@jet.es wrote:

>On wire antennas I often make bow-knots to connect supporting lines etc.
>
>My portable antennas can have many knots as I split them up for use
>on different bands. Is this bad practice?

I used to repair broken wire antennas by making a knot (to support the wire, then connecting the free ends.

It does introduce an impedance bump, but at HF, it is particularly significant.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Tue, 14 Aug 2001 02:20:42 -0400
From: "Al Gritzmacher" <ae2t@adelphia.net>
To: "Karl F. Larsen" <k5di@zianet.com>, qrp-l@lehigh.edu
Subject: [104831] Re: Yorick a farce

Message-ID: <3B788AFA.27117.46643D@localhost>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

On 13 Aug 2001, at 18:04, Karl F. Larsen wrote:

>
> Sorry but Yorick is a program that *MIGHT* work with NEC2 but it
> has no NEC2 in it. I was mislead by the docs.
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>

Alas, poor Yorick, I <thought> I knew him well...
Al Gritzmacher

ae2t@arrl.net

Date: Tue, 14 Aug 2001 06:10:51 -0700
From: "John Dorson" <JDORSON@worldshare.net>
To: "Phil Wheeler" <w7ox@earthlink.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [104832] Re: Neon Bulbs
Message-ID: <001501c124c2\$8bafe3a0\$426e5a41@john>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

you are correct phil. there were lots of rf in the shack. that was to be expected since many of the xmters. were not in enclosures and with single wire ant. running from the rig out a window that was a good way to indicate a tuned rig. it was only after years after being on the air did i begin to use a tuner. who cared or ever knew about swr...

john k2jhu..

----- Original Message -----

From: "Phil Wheeler" <w7ox@earthlink.net>
To: <JDORSON@worldshare.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, August 13, 2001 4:52 PM
Subject: Re: Neon Bulbs

>
>
> John Dorson wrote:
> >
> > wrong wrong wrong!!!
> >
> > what we did was to place a fluorescent light next to the feed line or
wire
> > if end feed wire ant. use small wattage ones. however for qrp you will
most
> > likely not light the bulb.
>
> That, too, John: But I found NE-2s to be a more convenient size :-;
>
> Some of the local lamps did light some though .. saying something about
> the RF in the shack :-)
>
> Phil W7OX
>

Date: Tue, 14 Aug 2001 05:15:14 -0400
From: "Gene - NN7CK" <nn7ck@mindspring.com>
To: <n2apb@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <nn7ck@arrl.net>
Subject: [104833] Re: Announcing - QHB Extra!
Message-ID: <007101c124a1\$a16a08e0\$8cb9f7a5@js>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fantastic idea George, a great add-on to the magazine.

Its really nice to be able to see the expanded details of the project and
the color construction photos are going to be a big help.

Keep up the great work.

72 ... Gene ... NN7CK ... Irmo, SC

----- Original Message -----

From: "George Heron N2APB" <n2apb@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, August 13, 2001 17:35 PM
Subject: Announcing - QHB Extra!

> Hi friends,
>
> The NJQRP Club is really proud to now formally announce a new feature of
our
> QRP Homebrewer magazine ... "QHB Extra!"
>
<snip>
>
> see the QHB web pages at
> http://www.njqrp.org/data/qrp_homebrewer.html
>

Date: Tue, 14 Aug 2001 06:36:46 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [104834] RE: MMANA vs EZNEC
Message-ID: <20010814.064904.-232103.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Yes, my (N3AAZ) statment, was in error.

Ed, thanks for the memory jog . . .
>>" Are you (me, N3AAZ) sure that statement
(me N3AAZ again, >statement< AND SUBJECT LINE)
wasn't intended for the native NEC code? "<<

73,
John
N3AAZ
FM 19 xa

On Mon, 13 Aug 2001 15:53:00 -0400 "Hare,Ed, W1RFI" <w1rfi@arrl.org>
writes:
>Hi, John,
>
>I took a quick look at the MMANA program and agree; it is well worth
>the

>price. It is MININEC based, instead of NEC-2, but for most antenna
>types,
>the results will be virtually identical.
>
>I disagree with the statement about EZNEC. I have used it for years
>and find
>it to be helpful and reasonably user-friendly. Are you sure that
>statement
>wasn't intended for the native NEC code? To use NEC, you have to have
>an
>input file, formatted exactly, and the resultant output files give
>things
>like patterns and field strengths in table format. Now THAT feels
>good when
>you stop! EZNEC is right on a par of useability with the MMANA
>program.
>
>73,
>Ed Hare, W1RFI
>
>> -----Original Message-----
>> From: John R Kirby [mailto:n3aaz-qrp@juno.com]
>> Sent: Monday, August 13, 2001 1:23 PM
>> To: Low Power Amateur Radio Discussion
>> Subject: MMANA vs EZNEC
>>
>>
>> Never use EZNEC but know several who have and
>> understand it is like hitting your thumb with a hammer . . .
>> It feels soooo good when you STOP.
>>
>> May I suggest a user friendly program, yep it is free too!
>> AND it will provide a matching network for YOUR design,
>> just click OPTIONS then click OPTIONS and SETUP . . . W O W ! ! !
>>
>> MMANA thanks to MM (JE3HHT) at . . .
>> >>><http://www.geocities.com/mmhamsoft/><<<
>> There is other O U T S T A N D I N G free (for amateur radio)
>> software
>> here too.
>>
>> Not sure but MMANA >maybe< NEC based . . .
>>
>> I DO KNOW (first hand) MMANA IS USER FRIENDLY and IT WORKS.
>>
>> John
>> N3AAZ
>> FM 19 xa

>>
>>
>>
>> On Mon, 13 Aug 2001 05:39:27 -0600 (MDT) "Karl F. Larsen"
>> <k5di@zianet.com> writes:
>> >
>> > I have never used this software but do hear it's quite good
>
>> >for
>> >simple antenna. It is for sure a system that uses numerical
>analysis
>> >to
>> >calculate antenna parameters and it can be quite accurate. I would
>
>> >like to
>> >know how it calculates antenna radiation efficiency. The source
>code
>> >would
>> >show that.
>> >
>> > WB5LHV Charlie has a copy of some antenna calculation
>software
>> >on
>> >his computer. I will see if it gets the same numbers that EZNEC
>does.
>> >
>> >--
>> >Yours Truly,
>> >
>> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>> >
>>
>>

>> GET INTERNET ACCESS FROM JUNO!
>> Juno offers FREE or PREMIUM Internet access for less!
>> Join Juno today! For your FREE software, visit:
>> <http://dl.www.juno.com/get/tagj>.
>>

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Tue, 14 Aug 2001 06:54:09 -0400 (EDT)

From: "John L. Sielke" <w2agn@pobox.com>
To: John Rollins <kd7bcy@teleport.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104835] RE: What's wrong with RatShack? - and a solar charger update
Message-ID: <XFMail.20010814065409.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Horrors! Youcalled poor Radio Shack....Rat Shack! Now our sensitive, new age, politically correct types will have to jump to their defense. Look out, another flame war over...Rat Shack!

John W2AGN (Microsoft=Micro\$oft, there, I said it, nyah. nyah, nyah)

(Bet somebody will now post on "lack of maturity....bet his initials are BM (appropriate)

On 14-Aug-2001 John Rollins wrote:

> I'm going with a modified version of the SunSwitch that is found in
> Home Power #63. Funny how most of the small(er) electronics places
> don't have much in the way of power MOSFETs and Schottky diodes... I
> found the IRFZ34 at Radio Shack,

Date: Tue, 14 Aug 2001 04:55:40 -0600
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.EDU>
Subject: [104836] QRP Quarterly
Message-ID: <000b01c124af\$a95e70a0\$79dd070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

QQ arrived yesterday and again a super issue. Some of the other ham mags could learn a lot from this one. Thanks to all involved . Cal KF7ET misplaced Vermonter in Idaho

Date: Tue, 14 Aug 2001 05:58:50 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Rob Matherly <kc0bom@yahoo.com>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104837] Re: Anti-ARRL Sentiment
Message-ID: <Pine.LNX.4.33.0108140549230.1153-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 13 Aug 2001, Rob Matherly wrote:

The problem with ARRL is that while they hold elections, the incumbant has a HUGE edge in the election. Here in Rocky Mountain we have just got a new head guy who is not older than 70 and might be good for the group. Our NM guy Joe Knight became the section guy 28 years ago after he retired from work!

There are a very few guys who chum up to the ARRL elected people and position themselves to take over when they die.

Isn't much ARRL can do in Washington. We are a small odd group of moss backs that have little pull.

> a barbecue. Be advised - those who send me really nasty personal messages
> insulting me and the horse I rode in on will have to bring the chips and one
> covered dish, preferably one you didn't spit in.
>
> 72/73/oo
> Rob, kc0bom
>
> p.s. - Don't flame me on the GWB thing. I didn't post about that, and I
> won't pay attention to messages about that.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 14 Aug 2001 06:05:34 -0600
From: Roy <marion@montana.com>
To: mpupeza@sympatico.ca, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [104838] Re: Paddles - How does the Norcal Paddle Kit Rate?
Message-ID: <4.3.1.2.20010814060042.00a738e0@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:23 PM 8/12/01 +0100, Mike Pupeza wrote:

>I see all these comment on CW paddles, and how great the 'Classics' are, but

>I am interested in this question.
>How does a properly made and adjusted Norcal Kit Paddle, rate with the
>users, in comparison to the commercial and 'Classic' paddles?
>While I'm not a total CW buff, I have used my Norcal and have been able to
>adjust it to feel really great (to me)!!
>This is at speeds to about 18-20 WPM.
>Am I missing some kind of Magic that the 'Expensive' ones have?
>72, 73
>Mike VE3EQP

Missing the "magic" ? Probably not. If the norcal kit would have been made
with a larger, stay put base, it would be just as good as most. Roy AB7CE

Date: Tue, 14 Aug 2001 08:06:24 -0700
From: "John Dorson" <JDORSON@worldshare.net>
To: <w2agn@pobox.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [104839] Re: What's wrong with RatShack? - and a solar charger update
Message-ID: <000901c124d2\$b039e1c0\$456e5a41@john>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

to avoid this maybe we all should STOP right now!!!

----- Original Message -----
From: "John L. Sielke" <w2agn@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, August 14, 2001 3:54 AM
Subject: RE: What's wrong with RatShack? - and a solar charger update

> Horrors! Youcalled poor Radio Shack....Rat Shack! Now our sensitive, new
age,
> politically correct types will have to jump to their defense. Look out,
another
> flame war over...Rat Shack!
>
>
> John W2AGN (Microsoft=Micro\$oft, there, I said it, nyah. nyah, nyah)
>
> (Bet somebody will now post on "lack of maturity....bet his initials are

BM

> (appropriate)

>

>

> On 14-Aug-2001 John Rollins wrote:

> > I'm going with a modified version of the SunSwitch that is found in

> > Home Power #63. Funny how most of the small(er) electronics places

> > don't have much in the way of power MOSFETs and Schottky diodes... I

> > found the IRFZ34 at Radio Shack,

>

Date: Tue, 14 Aug 2001 07:10:27 -0500

From: "Mike Malone" <mmalone@worldlogon.com>

To: "Rob Matherly" <kc0bom@yahoo.com>, "John L. Sielke" <w2agn@pobox.com>, <fpqrp-
l@mpna.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [104840] Re: [fpqrp] Anti-ARRL Sentiment

Message-ID: <003701c124ba\$1c1bb760\$4800000a@nationwiderecovery.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I wont flame you for the ARRL part but hamburgers and hotdogs are not BBQ!
But they are a cookout. Put me down for bottled orange crush and baked
beans.

KD5KXF

----- Original Message -----

From: "Rob Matherly" <kc0bom@yahoo.com>

To: "John L. Sielke" <w2agn@pobox.com>; <fpqrp-l@mpna.com>; "Low Power >

There, the deed is done. Get out the hamburgers and hot dogs, I'm ready for

> a barbecue. Be advised - those who send me really nasty personal messages

> insulting me and the horse I rode in on will have to bring the chips and

one

> covered dish, preferably one you didn't spit in.

Date: Tue, 14 Aug 2001 08:42:19 -0400

From: "Jim Worthington" <ad4j@arrl.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [104841] Re: ZM-2 questions

Message-ID: <NABBICBNJHOBKGPEHLKBMENBFIAA.ad4j@arrl.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A couple of thoughts on your questions:

1) How do I tune?

There are at least two ways:

A. Just use your rig (at QRP power level, of course) with the ZM-2 in tune position and adjust the knobs for the dimmest you can get the LED. Then switch the tuner to operate and you are ready to go. Note that after you find a setting where the LED starts to dim, you may have to detune one knob slightly and then adjust the other to get a lower SWR (dimmer LED). Also ignore the LED once you switch the tuner to operate. This is the method I normally use.

B. Use the MFJ analyzer with the tuner in operate mode as described by W6AGS in his reply. You are tuning for the lowest SWR reading on the MFJ analyzer - ignore the LED. Again, you may need to move one knob off its lowest SWR setting to get an even lower SWR using the other knob. When finished tuning, connect your rig. You can confirm the low SWR by temporarily switching the tuner to TUNE, keying the rig and seeing that the LED is dim or out.

2) How do I test that tuner is working correctly?

If it can tune your antenna(s) to give a low SWR reading with the MFJ analyzer, it's probably working fine. To test that the LED is giving a good indication of minimum SWR, use the method in 1A above. Then switch from the rig to the analyzer (making sure the ZM-2 switch is in the operate position) to see what the SWR is. If it's low, that's a good indication that the LED is doing it's job.

You can do all of this faster if you have an antenna switch to let you select whether the rig or the analyzer is connected to the tuner. This also lets you tune using the analyzer without having to put a signal on the air during the process.

I've had my ZM-2 for over a year and found it to be a great little tuner. It does an excellent job with both balanced line and coax feedlines.

72 and Enjoy,
Jim, AD4J

Date: Tue, 14 Aug 2001 09:07:37 -0400
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: "Qrp-L" <qrp-l@Lehigh.EDU>
Subject: [104842] URL for ARRL's Maxwell's Reflections
Message-ID: <GCECIJFJPOHMCKACOA0BOEPFCLAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The series of Maxwell's "Reflections" is on the ARRL's TIS web site at

<http://www.arrl.org/members-only/tis/info/pdf/Reflect.pdf>

73,

Jake -- N4UY

Date: Tue, 14 Aug 2001 09:13:08 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104843] RE: [fpqrp] Anti-ARRL Sentiment
Message-ID: <125490A005E3D3118C9C00805FC743CC023B36A5@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

That is as true today as it was when I took my exams, Larry. When I studied for my Novice exam in 1963, I studied only the ARRL study guide. The Novice section was 4 pages long. In 1964, when I took my General, I studied only the ARRL study guide. The General section was 16 pages long.

If it would help you not misunderstand my words, I could go into a very detailed description of the tests every time I mention them, but others on this forum might find that a bit tedious. If you believe that today's test are just a test of potential and of tendency to follow rules, you are welcome to that opinion. But I disagree; there is technical material on today's tests that I didn't even know existed when I took my exams in the 60s.

73,

Ed Hare, W1RFI

> -----Original Message-----

> From: ac5ez@webtv.net [mailto:ac5ez@webtv.net]

> Sent: Monday, August 13, 2001 8:44 PM

> To: Low Power Amateur Radio Discussion

> Subject: RE: [fpqrp] Anti-ARRL Sentiment

>

>

> At one time I thought the amateur exams were to measure the applicants

> technical grasp of the subject. This is evidently no longer the case ?

> Now its just a test of his potential and of his tendency to

> follow rules

> ?

>

> K1zw

> Larry

> Qcwa

>

Date: Tue, 14 Aug 2001 07:20:03 -0600

From: "Rod Cerkoney, N0RC" <rod@n0rc.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [104844] Help with ID of QRM source

Message-ID: <001b01c124c3\$d4876430\$6401a8c0@c919125b>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Folks,

Sunday night (local) I recorded some strange QRM source on 20, 17 and 15 meters. More details at:

http://www.qsl.net/n0rc/growl/growl_qrm.html

Can you help ID this QRM?

For lack of a better word I describe it as a "growl", it lasts for several seconds or more, is s5-9 at my QTH, and "walks" up the band.

73, Rod N0RC

Ft Collins, CO

Date: Tue, 14 Aug 2001 06:20:50 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: John Dorson <JDORSON@worldshare.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104845] Re: Neon Bulbs
Message-ID: <3B7925B2.6047A710@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John Dorson wrote:

>
> you are correct phil. there were lots of rf in the shack. that was to be
> expected since many of the xmtrs. were not in enclosures and with single
> wire ant. running from the rig out a window that was a good way to indicate
> a tuned rig. it was only after years after being on the air did i begin to
> use a tuner. who cared or ever knew about swr...
>

Yeah .. the good old days :-; And, where I lived, before TVI. Did get
a few RF burns off that open tuner, though.

73, Phil

Date: Tue, 14 Aug 2001 09:20:02 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [104846] Re: 20 Meter VFO Questions
Message-ID: <125490A005E3D3118C9C00805FC743CC027E2EF3@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Higher frequency VFOs tend to be less stable. Often, the transistor has
less gain, so the amount
of feedback is increased to compensate. The LC parts often have more loss,
further increasing
the amount of power lost as heat. The parts are often have less thermal
mass, so air currents have
more effect.

Ideas to try:

Better materials--try plating materials with a low thermal coefficient of expansion.

Better design--are there clever ways of maintaining the same frequency of resonance despite thermal expansion?

High gain SMT parts that require minimal power, reducing heating effects.

Brute force--cheap PICs may allow custom temperature compensation that was totally impractical
a few years ago.

73--Zack W1VT

Date: Tue, 14 Aug 2001 09:36:15 -0400

From: "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>

To: qrp-l@Lehigh.EDU

Subject: [104847] Re: What's wrong with RatShack? - and a solar charger update

Message-ID: <1349362478.997781775@oes-madams.facilities.buffalo.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Disposition: inline

Gang,

In case you are looking for the actual article from HomePower Magazine,
here it is:

<http://www.humboldt1.com/~michael.welch/extras/pvcontrol.pdf>

Keep in mind that the MicroM + charge controller offered by SunLogic, and maybe Kanga Kits too, is rated for 4A and has a VERY LOW current monitoring mode, about 300 uA I believe. (Sunlight Energy lists standby at ZERO amps.) The HomePower unit has a night time drain of 600 mA. This is OK if you are working with BIG deep cycle cells, definitely not small 4-7 A-hr gel cells.

The Micro M+ is at:

<http://www.seslogic.com/microm.html>

72, Mark K2QO

Mark S. Adams, P.E.

University at Buffalo

Occupational and Environmental Safety

220 Winspear Avenue

Buffalo, NY 14215-1034

Tel: 716.829.3301 Fax: 716.829.2704
Pager: 716.774.2260

Date: Tue, 14 Aug 2001 09:41:36 -0400 (EDT)
From: <baltimoremd@baltimoremd.com>
To: Phil Wheeler <w7ox@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104848] Re: Neon Bulbs
Message-ID: <Pine.BSI.4.05L.10108140933300.13726-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 14 Aug 2001, Phil Wheeler wrote:

> Yeah .. the good old days :-; And, where I lived, before TVI. Did get
> a few RF burns off that open tuner, though.

My first station had such a bad antenna that I had plenty of on-air time
to wait for a fly to land on just the right spot in the open tuner...got
pretty good with sending very high speed e's to get them.

Then I discovered neon bulbs....that was fun, finding the high voltage
points at different frequencies.

Perhaps the most public display of being a ham was when I taped some
flourescent(sp) tubes on the end of my dipole....half a jug of plate
modulated AM created a nice display.

Never looked at meters at night...tuned for maximum backyard illumination.

thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Tue, 14 Aug 2001 09:40:57 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104849] RE: Anti-ARRL Sentiment

Message-ID: <125490A005E3D3118C9C00805FC743CC023B36A6@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> The problem with ARRL is that while they hold elections, the
> incumbant has a HUGE edge in the election.

In my time at ARRL HQ I have seen a number of incumbents unseated in contested elections. The two that come quickest to mind are the Northwestern Division and the New England Divisions. If an incumbent has an edge, it is because the members in that Division believe that the incumbent is representing them in the affairs of the ARRL Board.

> Here in Rocky Mountain we have just got a new head guy who is not older
than
> 70 and might be good for the group.

Walt Stinson, the Rocky Mountain Division Director, has held that office for a few years now. Prior to that, he was the Vice Director. Marshall Quiat, the past Director is over 70, brought a lot of value to the job and that value was not diminished one bit by his age. His legal experience and expertise was a valuable asset to the ARRL and its Board, IMHO. As I look at the ARRL Board of Directors, I see a wide range in ages. IMHO, this is a good thing. Do you disagree?

> There are a very few guys who chum up to the ARRL elected people
> and position themselves to take over when they die.

By what process would this influence the way the ARRL membership in a Division votes? As a voting member in the New England Division, I would be more likely to vote for someone who has shown a willingness to participate in the process and to learn what is going on from those who have gone before, but that is a matter of experience and competence.

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Karl F. Larsen [mailto:k5di@zianet.com]

> Sent: Tuesday, August 14, 2001 7:59 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Anti-ARRL Sentiment
>
>
> On Mon, 13 Aug 2001, Rob Matherly wrote:
>
> The problem with ARRL is that while they hold elections, the
> incumbant has a HUGE edge in the election. Here in Rocky
> Mountain we have
> just got a new head guy who is not older than 70 and might be
> good for the
> group. Our NM guy Joe Knight became the section guy 28 years
> ago after he
> retired from work!
>
> There are a very few guys who chum up to the ARRL elected people
> and position themselves to take over when they die.
>
> Isn't much ARRL can do in Washington. We are a small
> odd group of
> moss backs that have little pull.
>
> > a barbecue. Be advised - those who send me really nasty
> personal messages
> > insulting me and the horse I rode in on will have to bring
> the chips and one
> > covered dish, preferably one you didn't spit in.
> >
> > 72/73/oo
> > Rob, kc0bom
> >
> > p.s. - Don't flame me on the GWB thing. I didn't post
> about that, and I
> > won't pay attention to messages about that.
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>

Date: Tue, 14 Aug 2001 09:58:46 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [104850] Re: Anti-ARRL Sentiment
Message-ID: <3B792E96.DEB34C8F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl,

This sounds surprisingly like sour grapes! If you don't like the way officials are elected, get involved and get yourself elected! As I recall, you are retired too, it might make an interesting hobby!

>

> The problem with ARRL is that while they hold elections, the
> incumbant has a HUGE edge in the election. Here in Rocky Mountain we have
> just got a new head guy who is not older than 70 and might be good for the
> group. Our NM guy Joe Knight became the section guy 28 years ago after he
> retired from work!

>

73

Date: Tue, 14 Aug 2001 10:12:39 -0400
From: "Tom Curtola" <tcurtola@home.com>
To: <rod@n0rc.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [104851] Re: Help with ID of QRM source
Message-ID: <001801c124cb\$2dada400\$9eb72a18@yec1.on.wave.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm listening to the samples now. At first, it reminded me of one of those RC aircraft flying. But they don't use electric spark plugs. Then I thought maybe a neighbour kid riding his moped. As the frequency shifts up, this would indicate acceleration, then you get that interrupted shifting down sound like someone shifting down the gears of motorcycle.

The cyclic start and stop sample could be someone having trouble starting the motor.

I don't believe it is any digital mode, as there is no rhythm to it. It has a definite mechanical motion to the beat. Betcha it's a small one piston electric spark plug firing. Are the sources on 20, 17 and 15 on at the same time? That is to say, just harmonics of the same emission? If so check the really low frequencies to see if you can find the fundamental.

I love finding new "weird" sounds and trying to figure out what they are.

Except of course when they appear on the ham bands :-)

73

Tom Curtola
VA3TY
Toronto, Ontario - Canada

> Folks,
>
> Sunday night (local) I recorded some strange QRM source on 20, 17 and
> 15 meters. More details at:
>
> http://www.qsl.net/n0rc/growl/growl_qrm.html
>
> Can you help ID this QRM?
>
> For lack of a better word I describe it as a "growl", it lasts for
> several seconds or more, is s5-9 at my QTH, and "walks" up the band.
>
>
> 73, Rod N0RC
> Ft Collins, CO
>

Date: Tue, 14 Aug 2001 09:27:22 -0500
From: "Gene Sailsbury" <gsailsbury@mobill1.net>
To: "Low Power" <qrp-1@Lehigh.EDU>, <FT817@yahooogroups.com>
Subject: [104852] FS: MP-1 Antenna and Maha battery:
Message-ID: <003e01c124cd\$3c8aa7a0\$64c03fd8@8tracker>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello:

I have the following items for sale. FREE SHIPPING!! USA ONLY

1. MP-1 antenna with the following options: Cost 150.00
 - a. 80 meter coil: Cost 25.00
 - b. Tripod: Cost 20.00
 - c. Mobile Kit: Cost 15.00
 - d. Telescopic 4 foot whip: Cost 10.00
 - e. Shipping cost to get it to me: 10.50

Total cost that I paid: \$230.50

This unit is new and never been used. SALE FOR: \$200.00 Shipped

2. MAHA 1700mAh Battery. NEW never been used Cost: 59.95

SALE PRICE: \$50.00 Shipped

Reply to gsailsbury@mobill1.net

Gene Sailsbury KC0IKY

Date: Tue, 14 Aug 2001 10:38:55 -0400
From: "Tom Curtola" <tcurtola@home.com>
To: <tcurtola@home.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [104853] Re: Help with ID of QRM source
Message-ID: <000d01c124ce\$d8bccf80\$9eb72a18@yec1.on.wave.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hedge trimmer, leaf blower, weed eaters just came to mind. Is the sound during the day when one would operate such a device. If the ignition coil somehow became defective, it could produce this type of sound. If you have a portable SW radio, you can verify if it's a local neighbourhood QRM. Jump in your car while listening to the sound and see how far you go before you loose it.

73

Tom
VA3TY

----- Original Message -----
From: "Tom Curtola" <tcurtola@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, August 14, 2001 10:12 AM
Subject: Re: Help with ID of QRM source

> I'm listening to the samples now. At first, it reminded me of one of those
> RC aircraft flying. But they don't use electric spark plugs. Then I
> thought maybe a neighbour kid riding his moped. As the frequency shifts up,
> this would indicate acceleration, then you get that interrupted shifting
> down sound like someone shifting down the gears of motorcycle.

>
> The cyclic start and stop sample could be someone having trouble starting
> the motor.
>
> I don't believe it is any digital mode, as there is no rhythm to it. It
has
> a definite mechanical motion to the beat. Betcha it's a small one piston
> electric spark plug firing. Are the sources on 20, 17 and 15 on at the
same
> time? That is to say, just harmonics of the same emission? If so check
the
> really low frequencies to see if you can find the fundamental.
>
> I love finding new "weird" sounds and trying to figure out what they are.
> Except of course when they appear on the ham bands :-)
>
> 73
>
> Tom Curtola
> VA3TY
> Toronto, Ontario - Canada
>
>
> > Folks,
> >
> > Sunday night (local) I recorded some strange QRM source on 20, 17 and
> > 15 meters. More details at:
> >
> > http://www.qsl.net/n0rc/growl/growl_qrm.html
> >
> > Can you help ID this QRM?
> >
> > For lack of a better word I describe it as a "growl", it lasts for
> > several seconds or more, is s5-9 at my QTH, and "walks" up the band.
> >
> >
> > 73, Rod N0RC
> > Ft Collins, CO
> >
>
>
>

Date: Tue, 14 Aug 2001 10:41:57 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'w6toy@erols.com'" <w6toy@erols.com>, Low Power Amateur Radio Discussion

<qrp-1@Lehigh.EDU>
Cc: "Frenaye, Tom (Dir, NE)" <tfrenaye@arrl.org>
Subject: [104854] RE: Anti-ARRL Sentiment
Message-ID: <125490A005E3D3118C9C00805FC743CC023B36AA@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

>From the ARRL Bylaws: (<http://www.arrl.org/aabl.html>)

General Provisions as to Officers and Directors

12. All officers, directors and vice directors shall serve without compensation in any form. This shall not preclude the reimbursement, and the League shall reimburse, the reasonable and necessary traveling expenses of officers and directors from their homes to the place of meeting of the Board of Directors or of the Executive Committee and return to their homes. This section shall not be construed to prevent the employment for agreed compensation, of the Secretary, the Treasurer, and any Vice-President other than the First Vice-President, by the League in other capacities.

13. No person shall be President, Vice-President, Secretary, Treasurer, Director or Vice Director of the League unless, at the time of nomination, he has reached his 21st birthday and is a Full member of the League.

* * *

Article 11:

No person shall be eligible for the office of Director, Vice Director, President, Vice President, or Treasurer who has not been a Full member of the League for at least four continuous years immediately preceding nomination and throughout the subsequent term of office, nor shall any person be eligible who has not held continuously during that period a valid authorization as a radio amateur in accordance with the applicable laws and regulations of the United States. No person shall be eligible for, or hold, the office of Director, Vice Director, President or Vice President whose business connections are of such nature that he could gain financially through the shaping of the affairs of the League by the Board, or by the improper exploitation of his office for the furtherance of his own aims or those of his employer. The primary test of eligibility under this Article shall be the freedom from commercial or governmental connections of such nature that his influence in the affairs of the League could be used for his private benefit.

So if I wanted to be an ARRL Director, I would have to resign my job at ARRL HQ.

Now, "Director Hare..." there's a sound that would strike fear in their hearts, eh? :-)

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Bruce Muscolino [mailto:w6toy@erols.com]

> Sent: Tuesday, August 14, 2001 9:59 AM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Anti-ARRL Sentiment

>

>

> Karl,

>

> This sounds surprisingly like sour grapes! If you don't like the way

> officials are elected, get involved and get yourself elected! As I

> recall, you are retired too, it might make an interesting hobby!

> >

> > The problem with ARRL is that while they hold elections, the

> > incumbant has a HUGE edge in the election. Here in Rocky

> Mountain we have

> > just got a new head guy who is not older than 70 and might

> be good for the

> > group. Our NM guy Joe Knight became the section guy 28

> years ago after he

> > retired from work!

> >

> 73

>

Date: Tue, 14 Aug 2001 09:43:14 -0500

From: Wayne <aa5jj@swbell.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [104855] TEST message

Message-ID: <002601c124cf\$72e931c0\$d761fea9@Wayne>

MIME-version: 1.0

Content-type: text/plain; charset="iso-8859-1"

Content-transfer-encoding: 7bit

Hello to all and to all a good day.

Wayne Williams AA5JJ
713 N. (G) st.
Muskogee, OK 74403

Date: Tue, 14 Aug 2001 08:51:09 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: <tcurtola@home.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [104856] Re: Help with ID of QRM source
Message-ID: <002301c124d0\$8ea4d850\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Tom Curtola" <tcurtola@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, August 14, 2001 8:12 AM
Subject: Re: Help with ID of QRM source

> I'm listening to the samples now. At first, it reminded me of one
> of those
> RC aircraft flying. But they don't use electric spark plugs. Then
I
> thought maybe a neighbour kid riding his moped. As the frequency
shifts up,
> this would indicate acceleration, then you get that interrupted
shifting
> down sound like someone shifting down the gears of motorcycle.
>

The radio frequency drifts upward slowly, not the audio.

> The cyclic start and stop sample could be someone having trouble
starting
> the motor.
>
> I don't believe it is any digital mode, as there is no rhythm to it.

It has

I'm not sure about that, it has as much rythm as a psk31 sig, to my ear.

> a definite mechanical motion to the beat. Betcha it's a small one piston
> electric spark plug firing. Are the sources on 20, 17 and 15 on at the same
> time? That is to say, just harmonics of the same emission? If so check the
> really low frequencies to see if you can find the fundamental.
>
>

I don't think they're harmonically related either.

14059 x 2 != 18089-1809x

14059 x 2 != 21059

73, Rod N0RC
Ft Collins, CO

Date: Tue, 14 Aug 2001 08:59:03 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: <tcurtola@home.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [104857] Re: Help with ID of QRM source
Message-ID: <002901c124d1\$a9240740\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Tom Curtola" <tcurtola@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, August 14, 2001 8:38 AM
Subject: Re: Help with ID of QRM source

> Hedge trimmer, leaf blower, weed eaters just came to mind. Is the sound

> during the day when one would operate such a device. If the
ignition coil
> somehow became defective, it could produce this type of sound. If
you have
> a portable SW radio, you can verify if it's a local neighbourhood
QRM. Jump
> in your car while listening to the sound and see how far you go
before you
> loose it.
>

It's been too intermittent, so far, to establish any temporal
relationships and/or track with a portable radio.

I'll try and do a neighborhood "walk about" in the future & see if I
can determine anything.

This is occurring close enough to the digital portions of the band
that have me wondering about splatter from a local station a few kHz
away. When this was occurring a strong, local, 15W psk stations was on
the air. I didn't think to try and establish a relationship, I was
concentrating on recording the signal. Next time I'll scan the band
with another RCVR.

73, Rod N0RC
Ft Collins, CO

Date: Tue, 14 Aug 2001 11:09:01 -0400
From: "Lee S. Mairs" <lmairs@cox.rr.com>
To: <w1rfi@arrl.org>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [104858] Re: Anti-ARRL Sentiment
Message-ID: <00ac01c124d3\$0e377760\$6401a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can't you guys take this discussion to another list?
Lee

The natural progress of things is for liberty to yield and government to
gain ground.

Date: Tue, 14 Aug 2001 16:07:48 +0100
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: neqrp@jona1.net, qrp-1@Lehigh.EDU
Subject: [104859] NEQRP SSB NET TONITE 07:30PM EDST abt 7.285+-5
Message-ID: <0F60DF1186.A1445601-ON85256AA1.0042E181@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Well last week the band as good to us! No noise and powerful signals. Had 11 checkins!

Come all qrp'ers and try SSB QRP.

Ron - N1ZSW

ps - Kind of down since my 2meter mobile was stolen overnight while the car was parked in my own driveway!!! What a world!

Date: Tue, 14 Aug 2001 16:16:56 +0100
From: Hans Summers <Hans.Summers@tudor.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [104860] Re: Stable 20 Meter VFO Questions
Message-ID: <0CFA3081B86BD311B37A00902762718F0152EFE1@po1-exch.lon.tudor.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Anyone who wanted to view the .pdf versions of the Huff & Puff VFO stabiliser files () but couldn't because they were corrupted, I have now corrected this fault and they are all readable.

72's

Hans G0UPL

Date: Tue, 14 Aug 2001 10:23:06 -0500
From: David Heintzleman <pstrdave@kdsi.net>
To: qrp-1@Lehigh.EDU
Subject: [104861] QQ

Message-ID: <3B79425A.9108B6F5@kdsi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Pony Express delivered my QQ yesterday - what a joy!!! Praise, honor and thanks to all who put it together - I even enjoy QQ more than CQ mag - just wish I had more time for my hobby.....

Dave
K8BBM

Date: Tue, 14 Aug 2001 08:23:46 -0700 (PDT)
From: "M. Neiner" <polohat@yahoo.com>
To: qrp-l@Lehigh.edu
Subject: [104862] RE: How do you Know if your ground is good
Message-ID: <20010814152346.81895.qmail@web13905.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thanks for all the replies on the grounding issue. I think a big part of my problem is that I'm expecting big QRP results on 40 meters using a multiband dipole that's only 30 ft up. It's positioned East to West so that would explain why when I do get out, it's usually down to CA. When my 10 meter rig was working, this antenna provided me numerous contacts from all directions, but then again, for 10 meter's - 30 ft is plenty high. I was hoping there was something more I could do with grounding that would significantly improve the situation.

73
KC7MAW/Port Orchard WA

Do You Yahoo!?
Make international calls for as low as \$.04/minute with Yahoo! Messenger
<http://phonecard.yahoo.com/>

Date: Tue, 14 Aug 2001 11:24:44 EDT
From: MikeHeit@aol.com
To: <qrp-l@lehigh.edu>
Subject: [104863] OT: Mobile Installation in Dodge Dakota Truck

Message-ID: <f5.dca61cd.28aa9cbd@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello All,

This is a bit off topic, so I apologize ahead of time.

I was wondering if anyone else on the list had experience installing mobile radios (both HF and/or VHF/UHF) in a 2001 Dodge Dakota pickup truck. If so, I'd be interested in what type of equipment, antennas, mounts, etc. you selected. Also about power and feedline routing, interference from or to other system in the vehicle and how well your mobile installation is working out for you.

To keep the bandwidth at a minimum, please respond off the list. I'll compile the responses and share the information with anyone else who is interested.

Thanks,
73 de Mike, N0SO
qrp-l #486
n0so@arrl.net

Date: Tue, 14 Aug 2001 08:30:49 -0700 (PDT)
From: paul taylor <ptay1253@yahoo.com>
To: qrp-l <qrp-l@LEHIGH.EDU>
Cc: Njqrp@njqrp.org
Subject: [104864] crystal set is gone
Message-ID: <20010814153049.54453.qmail@web14302.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

crystal set is gone.

Do You Yahoo!?
Make international calls for as low as \$.04/minute with Yahoo! Messenger
<http://phonecard.yahoo.com/>

Date: Tue, 14 Aug 2001 08:37:21 -0700
From: <schoon@amgt.com>
To: <qrp-l@Lehigh.EDU>, <MikeHeit@aol.com>
Subject: [104865] RE: Mobile Installation in Dodge Dakota Truck
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-BD-010814153721Z-2830@ag-

basalt-pxy.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Please post your results to the mobile-portable list as well....

>-----
>From: MikeHeit@aol.com[SMTP:MikeHeit@aol.com]
>Sent: Tuesday, August 14, 2001 8:24 AM
>To: Low Power Amateur Radio Discussion
>Subject: OT: Mobile Installation in Dodge Dakota Truck
>
>Hello All,
>
>This is a bit off topic, so I apologize ahead of time.
>
>I was wondering if anyone else on the list had experience installing mobile
>radios (both HF and/or VHF/UHF) in a 2001 Dodge Dakota pickup truck. If so,
>I'd be interested in what type of equipment, antennas, mounts, etc. you
>selected. Also about power and
>feedline routing, interference from or to other system in the vehicle and how
>well your mobile installation is working out for you.
>
>To keep the bandwidth at a minimum, please respond off the list. I'll compile
>the responses and share the information with anyone else who is interested.
>
>Thanks,
>73 de Mike, N0SO
>qrp-l #486
>n0so@arrl.net
>
>
>

Date: Tue, 14 Aug 2001 09:53:50 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bruce Muscolino <w6toy@erols.com>
Cc: <k5di@zianet.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104866] Re: Anti-ARRL Sentiment
Message-ID: <Pine.LNX.4.33.0108140950580.3170-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm not a joiner/political animal Bruce. But it would be interesting if the term of office was changed from life, to two terms maximum concurrent. A good guy could sit out one term and run again. Sounds odd but it's a good idea I think.

On Tue, 14 Aug 2001, Bruce Muscolino wrote:

> Karl,
>
> This sounds surprisingly like sour grapes! If you don't like the way
> officials are elected, get involved and get yourself elected! As I
> recall, you are retired too, it might make an interesting hobby!
> >
> > The problem with ARRL is that while they hold elections, the
> > incumbant has a HUGE edge in the election. Here in Rocky Mountain we have
> > just got a new head guy who is not older than 70 and might be good for the
> > group. Our NM guy Joe Knight became the section guy 28 years ago after he
> > retired from work!
> >
> 73
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 14 Aug 2001 09:28:39 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'w6toy@erols.com'" <w6toy@erols.com>, Low Power Amateur Radio Discussion
<qrp-l@lehigh.edu>
Subject: [104867] Anti-ARRL Sentiment from Karl
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A49DD3@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Be advised that it is not *I*, the "real Karl" that's whining!

I guess it must be Karl Larsen.... (the "other Karl")

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Bruce Muscolino [SMTP:w6toy@erols.com]
Sent: Tuesday, August 14, 2001 8:59 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Anti-ARRL Sentiment

Karl,

This sounds surprisingly like sour grapes! If you don't like the way officials are elected, get involved and get yourself elected! As I recall, you are retired too, it might make an interesting hobby!

>

> The problem with ARRL is that while they hold elections, the
> incumbant has a HUGE edge in the election. Here in Rocky Mountain we have
> just got a new head guy who is not older than 70 and might be good for the
> group. Our NM guy Joe Knight became the section guy 28 years ago after he
> retired from work!

>

73

Date: Tue, 14 Aug 2001 10:10:11 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [104868] NEC2D and Yorick
Message-ID: <Pine.LNX.4.33.0108141001360.3170-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I found at a site in Spain the software package I needed that has the real "NEC2D" compiled and working in it. If I change the type of cross compiler for fortran I'm using to another from a local University I will be able to compile my own NEC2D from a fortran source code. Do that someday.

Yorick it turns out is the software to use to graph the string of numbers that comes from NEC2. I am getting everything properly arranged in my /usr/local directory so that a very large bash file can be used to call Yorick and display the NEC2 output.

The input appears to be a large set of "canned" antenna types in input files for NEC2. The files are sure wierd. This is making the work of w5ygr and EZNEC look better and better.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 14 Aug 2001 09:17:54 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: Len Revelle <lenrev@ameritech.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104869] RE: Collect QRP-L #'s and win valuable prizes!
Message-ID: <20010814161754.26072.qmail@web14202.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Ok, you should have placed a bet with my kids, the old man was wrong. QRP-L still using #'s.

My main question still holds, WHY HAVE ANOTHER THING TO COLLECT? We play I'm better than you enough, lets just communicate. Or has life become so boring you have nothing to say except 599 ES NR HR xxxxx 73. I hope not.

73, Bill KC4ATU

Do You Yahoo!?
Make international calls for as low as \$.04/minute with Yahoo! Messenger
<http://phonecard.yahoo.com/>

Date: Tue, 14 Aug 2001 12:30:17 -0400
From: Hugo <hugo@optonline.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, Dennis Ponsness <wb0wao@hotmail.com>, "David Hurley, n2zhy" <n2zhy@nerc.com>, Ron Polityka <wb3aal@fast.net>, ED Howell <kb2nto@hfent.com>, "Phil (VA3UX)" <phil@vaxxine.com>, w8diz <w8diz@fpqrp.com>
Subject: [104870] VE1\W1BKR\B on 28.271.3
Message-ID: <00f201c124de\$67a08fc0\$7dd82c18@hugocatt>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Thank You all for the valuable reports.
Please keep sending them to us as 10 meters is behaving in interesting ways.
The beacon will be (hopefully) running for one year unattended or until the

keyer's batteries run out.

It uses a 12v rechargeable battery with a solar panel and the vertical antenna is clamped to the lighthouse top railing.

Please visit:

www.henryisland.com

or

www.members.aol.com/w1bkr

and/or contact Bill , W1BKR at W1BKR@AOL.COM

72

Hugo

AA1XV

Date: Tue, 14 Aug 2001 17:45:56 +0100
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: neqrp@jonal.net, qrp-1@Lehigh.EDU
Subject: [104871] FS: Don Johnson W6AQQ Original Screwdriver
Message-ID: <0F594B5B98.D17EC815-ON85256AA8.005BB1E9@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Since my 2meter mobile was stolen from my car no way am I going to put HF in my car now!

I have a never-used Don Johnson W6AQQ screwdriver antenna with the recommended Radio Shack stainless steel whip for the top. This is the new version with the matching design on the bottom so the bottom can be mounted directly to the car/ground. ASking \$150 plus shipping from MA.

Ron - N1ZSW

Date: Tue, 14 Aug 2001 11:50:43 -0500
From: "George, W5YR" <w5yr@att.net>
To: rod@n0rc.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104872] Re: Help with ID of QRM source
Message-ID: <3B7956E3.145D6771@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We heard the same thing Saturday at 1630Z around 14280 during our Kachina Net. On the scope it appeared to be a group of discrete carriers about 100-150 Hz apart with the ensemble moving slowly down the band.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"Rod Cerkoney, N0RC" wrote:

>
> Folks,
>
> Sunday night (local) I recorded some strange QRM source on 20, 17 and
> 15 meters. More details at:
>
> http://www.qsl.net/n0rc/growl/growl_qrm.html
>
> Can you help ID this QRM?
>
> For lack of a better word I describe it as a "growl", it lasts for
> several seconds or more, is s5-9 at my QTH, and "walks" up the band.

Date: Tue, 14 Aug 2001 11:55:40 -0500
From: "George, W5YR" <w5yr@att.net>
To: polohat@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104873] Re: How do you Know if your ground is good
Message-ID: <3B79580C.EAB0C511@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And your multi-band dipole has several radiation lobes in its pattern on 10 meters, not just two.

I think that "grounding" will play no role in improving your azimuthal coverage.

As long as you are using basically a dipole on 40 meters, you will have to accept a dipole radiation pattern: two major lobes broadside to the wire.

I use two wire antennas at right angles to extend my coverage, and also have a vertical available.

It is easy to understand the attraction of big rotatable arrays on 40 and higher bands!

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"M. Neiner" wrote:

>
> Thanks for all the replies on the grounding issue. I
> think a big part of my problem is that I'm expecting
> big QRP results on 40 meters using a multiband dipole
> that's only 30 ft up. It's positioned East to West so
> that would explain why when I do get out, it's usually
> down to CA. When my 10 meter rig was working, this
> antenna provided me numerous contacts from all
> directions, but then again, for 10 meter's - 30 ft is
> plenty high. I was hoping there was something more I
> could do with grounding that would significantly
> improve the situation.

Date: Tue, 14 Aug 2001 12:58:20 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'k5di@zianet.com'" <k5di@zianet.com>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [104874] RE: Anti-ARRL Sentiment
Message-ID: <125490A005E3D3118C9C00805FC743CC023B36B0@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> I'm not a joiner/political animal Bruce. But it would be
> interesting if the term of office was changed from life, to two terms
> maximum concurrent. A good guy could sit out one term and run again.
> Sounds odd but it's a good idea I think.

I know exactly what you are saying here, but to make sure there is no confusion, let me clarify that the term of an elected Director or Vice Director is 3 years. A person can run for as many terms as he would like, but the office is not lifetime.

73,
Ed Hare, W1RFI

ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Karl F. Larsen [mailto:k5di@zianet.com]

> Sent: Tuesday, August 14, 2001 11:54 AM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Anti-ARRL Sentiment

>

>

>

> I'm not a joiner/political animal Bruce. But it would be
> interesting if the term of office was changed from life, to two terms
> maximum concurrent. A good guy could sit out one term and run again.
> Sounds odd but it's a good idea I think.

>

> On Tue, 14 Aug 2001, Bruce Muscolino wrote:

>

> > Karl,

> >

> > This sounds surprisingly like sour grapes! If you don't
> like the way

> > officials are elected, get involved and get yourself elected! As I
> > recall, you are retired too, it might make an interesting hobby!

> > >

> > > The problem with ARRL is that while they hold
> elections, the

> > > incumbant has a HUGE edge in the election. Here in Rocky
> Mountain we have

> > > just got a new head guy who is not older than 70 and
> might be good for the

> > > group. Our NM guy Joe Knight became the section guy 28
> years ago after he

> > > retired from work!

> > >

> > 73

> >

>

> --

> Yours Truly,

>

> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

>

Date: Tue, 14 Aug 2001 13:07:39 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: "Karl F. Larsen" <k5di@zianet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [104875] Re: Anti-ARRL Sentiment
Message-ID: <3B795ADB.E61FFB19@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl,

I can respect the idea that you are not a joiner. I can't respect the idea that you are complaining about what they do if you don't even belong or get a little bit involved! Sorry

Date: Tue, 14 Aug 2001 11:26:45 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: John R Kirby <n3aaz-qrp@juno.com>
Cc: <k5di@zianet.com>, <qrp-1@Lehigh.EDU>
Subject: [104876] Re: MMANA vs EZNEC
Message-ID: <Pine.LNX.4.33.0108141122110.3170-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi John, I got MMANA and it's based on MININEC which is not all that bad. I did some reading on NEC2 and NEC3 and NEC4 and find they are all designed to handle special cases. MININEC is designed to handle ham antenna which are wire or aluminum tubing in yagi or loop or dipole configuration. So MMANA may be a good choice. And Oba, JA7UDE is a very talented programmer.

On Mon, 13 Aug 2001, John R Kirby wrote:

> Never use EZNEC but know several who have and
> understand it is like hitting your thumb with a hammer . . .
> It feels soooo good when you STOP.
>
> May I suggest a user friendly program, yep it is free too!
> AND it will will provide a matching network for YOUR design,
> just click OPTIONS then click OPTIONS and SETUP . . . W O W ! ! !

>
> MMANA thanks to MM (JE3HHT) at . . .
> >>><http://www.geocities.com/mmhamsoft/><<<
> There is other O U T S T A N D I N G free (for amateur radio) software
> here too.
>
> Not sure but MMANA >maybe< NEC based . . .
>
> I DO KNOW (first hand) MMANA IS USER FRIENDLY and IT WORKS.
>
> John
> N3AAZ
> FM 19 xa
>
>
>
> On Mon, 13 Aug 2001 05:39:27 -0600 (MDT) "Karl F. Larsen"
> <k5di@zianet.com> writes:
> >
> > I have never used this software but do hear it's quite good
> >for
> >simple antenna. It is for sure a system that uses numerical analysis
> >to
> >calculate antenna parameters and it can be quite accurate. I would
> >like to
> >know how it calculates antenna radiation efficiency. The source code
> >would
> >show that.
> >
> > WB5LHV Charlie has a copy of some antenna calculation software
> >on
> >his computer. I will see if it gets the same numbers that EZNEC does.
> >
> >--
> >Yours Truly,
> >
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> >
>
>
> -----
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 14 Aug 2001 17:24:11 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [104877] My new AD9850 DDS board
Message-ID: <F18117PDqqgNjW0iy5400008791@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I've just received the prototype PCBs for my new DDS board. It's smaller than a credit card, and has an Atmel AT90S2313 AVR controlling the AD9850. It's mostly surface-mount construction, of course.

I've just got the 2313 working. At any rate, the oscillator is oscillating and I can program the chip via the on-board ISP connector.

The ISP connector means that software upgrades are very straightforward, via a simple printer port interface.

I hope to get the DDS section working tomorrow. I've got a 125 MHz oscillator module ready to plug into it, which should give me up to 50 MHz or so.

More details, including the schematic, here:

<http://www.leonheller.com>

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Tue, 14 Aug 2001 13:37:03 -0400
From: "Hartwell, Martin E, NLCIO" <mehartwell@att.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>

Subject: [104878] To Larry about a receiver.
Message-ID: <177C519EE5CCD31195390090278539D30431864D@njb140po04.ems.att.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Larry k1zw

I have a nice inexpensive receiver to tell you about.
Send email to me at chartwell@att.net with your
email address so we can take it off line.

Marty kd8bj

Date: Tue, 14 Aug 2001 14:09:08 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104879] RE: Anti-ARRL Sentiment
Message-ID: <125490A005E3D3118C9C00805FC743CC023B36B5@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> Can't you guys take this discussion to another list?
> Lee

Lee, you are quite right. This is more suited to rec.radio.amateur.policy.
This has gotten far afield of QRP. Thanks, Lee.

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Lee S. Mairs [mailto:lmairs@cox.rr.com]
> Sent: Tuesday, August 14, 2001 11:09 AM
> To: w1rfi@arrl.org; Low Power Amateur Radio Discussion
> Subject: Re: Anti-ARRL Sentiment

>
>
> Can't you guys take this discussion to another list?
> Lee
>
> The natural progress of things is for liberty to yield and
> government to
> gain ground.
>

Date: Tue, 14 Aug 2001 14:24:10 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'k5di@zianet.com'" <k5di@zianet.com>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [104880] RE: MMANA vs EZNEC
Message-ID: <125490A005E3D3118C9C00805FC743CC023B36B8@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

MININEC is quite adequate for most amateur antenna work. Its limitations are primarily in the way it handles ground in some cases and the way it handles bent wires. But for predicting pattern, gain and feed-point Z for almost all antenna types, it will be within a few percent of NEC in its results.

I forgot to mention the following URL for some good tutorial information and articles:

<http://www.arrl.org/tis/info/HTML/antenna-modeling/index.html>

It includes LB Cebik's recent most excellent tutorial on antenna modeling -- a must read!

Among the articles are:

<http://www.arrl.org/tis/info/pdf/9102018.pdf>, Mininec, The Other Edge of the Sword

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org

Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Karl F. Larsen [mailto:k5di@zianet.com]

> Sent: Tuesday, August 14, 2001 1:27 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: MMANA vs EZNEC

>

>

>

> Hi John, I got MMANA and it's based on MININEC which is not

> all that bad.

> I did some reading on NEC2 and NEC3 and NEC4 and find they are all

> designed to handle special cases. MININEC is designed to handle ham

> antenna which are wire or aluminum tubing in yagi or loop or dipole

> configuration. So MMANA may be a good choice. And Oba, JA7UDE

> is a very

> talented programmer.

>

> On Mon, 13 Aug 2001, John R Kirby wrote:

>

> > Never use EZNEC but know several who have and

> > understand it is like hitting your thumb with a hammer . . .

> > It feels soooo good when you STOP.

> >

> > May I suggest a user friendly program, yep it is free too!

> > AND it will will provide a matching network for YOUR design,

> > just click OPTIONS then click OPTIONS and SETUP . . . W O W ! ! !

> >

> > MMANA thanks to MM (JE3HHT) at . . .

> > >>><http://www.geocities.com/mmhamsoft/><<<

> > There is other O U T S T A N D I N G free (for amateur

> radio) software

> > here too.

> >

> > Not sure but MMANA >maybe< NEC based . . .

> >

> > I DO KNOW (first hand) MMANA IS USER FRIENDLY and IT WORKS.

> >

> > John

> > N3AAZ

> > FM 19 xa

> >

> >

> >

> > On Mon, 13 Aug 2001 05:39:27 -0600 (MDT) "Karl F. Larsen"

```

> > <k5di@zianet.com> writes:
> > >
> > > I have never used this software but do hear it's quite good
> > >for
> > >simple antenna. It is for sure a system that uses
> numerical analysis
> > >to
> > >calculate antenna parameters and it can be quite accurate. I would
> > >like to
> > >know how it calculates antenna radiation efficiency. The
> source code
> > >would
> > >show that.
> > >
> > > WB5LHV Charlie has a copy of some antenna calculation software
> > >on
> > >his computer. I will see if it gets the same numbers that
> EZNEC does.
> > >
> > >--
> > >Yours Truly,
> > >
> > > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> > >
> > >
> > >-----
> > GET INTERNET ACCESS FROM JUNO!
> > Juno offers FREE or PREMIUM Internet access for less!
> > Join Juno today! For your FREE software, visit:
> > http://dl.www.juno.com/get/tagj.
> >
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>

```

```

-----

Date: Tue, 14 Aug 2001 13:43:42 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: lmairs@cox.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104881] Re: Anti-ARRL Sentiment
Message-ID: <3B79715E.C56FABD9@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

```

Content-transfer-encoding: 7BIT

"Lee S. Mairs" wrote:

> The natural progress of things is for liberty to yield and government to
> gain ground.

Tell that to the people of Eastern Europe and to the new democracies
around the world. There has never been more liberty around the world
than today.

73 de Dave, N0IT

Date: Tue, 14 Aug 2001 14:48:48 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [104882] Dipole calcs
Message-ID: <46.191fbdc1.28aacc90@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

You might find it enlightening to use program DIPOLE1 at
<http://www.btinternet.com/~g4fgq.regp/dipole1.exe>
and play with various dipole lengs, feeder lengths and feeder types. I was a
surprised to see how some arrangements were fairly inefficient on certain
bands.

For a good example take the 88ft doublet (26.8m) with 20m feedline (300 ohm)
up 11m (up 36 ft). This according to QRP-L discussions is suppose to be good
for 80-10m. Change the feedline to 450 ohm and see the difference in
efficiency especially on 80m.

Then try it for 44ft (13.4ft) and check out 40m ops with 300 ohm line

50 ohm feed should be no surprise

Alan KB7MBI

Date: Tue, 14 Aug 2001 15:07:07 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [104883] Dipole Calcs (2)
Message-ID: <137.23a03.28aad0db@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Additionally, set up a resonant dipole with 50 ohm feed then move off
resonance frequency. A more dramatic demo is change bands.
<http://www.btinternet.com/~g4fgq.regp/dipole1.exe>

Alan KB7MBI

Date: Tue, 14 Aug 2001 14:27:31 -0500
From: "Gene Sailsbury" <gsailsbury@mobill1.net>
To: "Low Power" <qrp-1@Lehigh.EDU>, <FT817@yahooogroups.com>
Subject: [104884] MP-1 Antenna SOLD
Message-ID: <02d801c124f7\$2ae41fc0\$64c03fd8@8tracker>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for all the offers but the MP-1 has been SOLD. Still have the
battery.
Gene KC0IKY

Date: Tue, 14 Aug 2001 12:34:06 -0700
From: <schoon@amgt.com>
To: <qrp-1@Lehigh.EDU>, <schoon@amgt.com>
Subject: [104885] RE: Mobile Installation in Dodge Dakota Truck
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-BD-010814193406Z-2869@ag-basalt-pxy.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I had a few people ask me about the mobile-portable list. You can find
it on www.qth.net. This list has been very low volume for the last few
months... Plenty of sharp mobile ops hang out here....

73

.mark

>-----

>From: Mark Schoonover
>Sent: Tuesday, August 14, 2001 8:37 AM
>To: Low Power Amateur Radio Discussion
>Subject: RE: Mobile Installation in Dodge Dakota Truck
>
>Please post your results to the mobile-portable list as well....
>

>>-----

>>From: MikeHeit@aol.com[SMTP:MikeHeit@aol.com]
>>Sent: Tuesday, August 14, 2001 8:24 AM
>>To: Low Power Amateur Radio Discussion
>>Subject: OT: Mobile Installation in Dodge Dakota Truck
>>

>>Hello All,

>>

>>This is a bit off topic, so I apologize ahead of time.

>>

>>I was wondering if anyone else on the list had experience installing mobile
>>radios (both HF and/or VHF/UHF) in a 2001 Dodge Dakota pickup truck. If so,
>>I'd be interested in what type of equipment, antennas, mounts, etc. you
>>selected. Also about power and

>>feedline routing, interference from or to other system in the vehicle and
>>how

>>well your mobile installation is working out for you.

>>

>>To keep the bandwidth at a minimum, please respond off the list. I'll
>>compile

>>the responses and share the information with anyone else who is interested.

>>

>>Thanks,

>>73 de Mike, N0SO

>>qrp-1 #486

>>n0so@arrl.net

>>

>>

>>

>

>

>

>

Date: Tue, 14 Aug 2001 14:53:29 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104886] RE: MMANA vs EZNEC

Message-ID: <Pine.LNX.4.33.0108141445050.3976-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

That's the words others have said in sources found with search engines. I am now getting the PDF on MININEC and will read that. I have the QST's saved that have Cebik's 4 papers and yes they are excellent.

I took a simple dipole and checked it for pattern and gain when a wavelength high and then 3 meters high. As expected the pattern changed and got flatter so the apparent gain dropped. The vertical angle moved up quite far.

This is about the effect I have seen from dipoles in real conditions.

On Tue, 14 Aug 2001, Hare,Ed, W1RFI wrote:

> MININEC is quite adequate for most amateur antenna work. Its limitations
> are primarily in the way it handles ground in some cases and the way it
> handles bent wires. But for predicting pattern, gain and feed-point Z for
> almost all antenna types, it will be within a few percent of NEC in its
> results.
>
> I forgot to mention the following URL for some good tutorial information and
> articles:
>
> <http://www.arrl.org/tis/info/HTML/antenna-modeling/index.html>
>
> It includes LB Cebik's recent most excellent tutorial on antenna modeling --
> a must read!
>
> Among the articles are:
>
> <http://www.arrl.org/tis/info/pdf/9102018.pdf>, Mininec, The Other Edge of the
> Sword
>
> 73,
> Ed Hare, W1RFI
> ARRL Lab
> 225 Main St
> Newington, CT 06111
> Tel: 860-594-0318
> Internet: w1rfi@arrl.org
> Web: <http://www.arrl.org/tis>
>
>
>

> > -----Original Message-----
> > From: Karl F. Larsen [mailto:k5di@zianet.com]
> > Sent: Tuesday, August 14, 2001 1:27 PM
> > To: Low Power Amateur Radio Discussion
> > Subject: Re: MMANA vs EZNEC
> >
> >
> >
> > Hi John, I got MMANA and it's based on MININEC which is not
> > all that bad.
> > I did some reading on NEC2 and NEC3 and NEC4 and find they are all
> > designed to handle special cases. MININEC is designed to handle ham
> > antenna which are wire or aluminum tubing in yagi or loop or dipole
> > configuration. So MMANA may be a good choice. And Oba, JA7UDE
> > is a very
> > talented programmer.
> >
> > On Mon, 13 Aug 2001, John R Kirby wrote:
> >
> > > Never use EZNEC but know several who have and
> > > understand it is like hitting your thumb with a hammer . . .
> > > It feels soooo good when you STOP.
> > >
> > > May I suggest a user friendly program, yep it is free too!
> > > AND it will will provide a matching network for YOUR design,
> > > just click OPTIONS then click OPTIONS and SETUP . . . W O W ! ! !
> > >
> > > MMANA thanks to MM (JE3HHT) at . . .
> > > >>><http://www.geocities.com/mmhamsoft/><<<
> > > There is other O U T S T A N D I N G free (for amateur
> > radio) softwrae
> > > here too.
> > >
> > > Not sure but MMANA >maybe< NEC based . . .
> > >
> > > I DO KNOW (first hand) MMANA IS USER FRIENDLY and IT WORKS.
> > >
> > > John
> > > N3AAZ
> > > FM 19 xa
> > >
> > >
> > >
> > > On Mon, 13 Aug 2001 05:39:27 -0600 (MDT) "Karl F. Larsen"
> > > <k5di@zianet.com> writes:
> > > >
> > > > I have never used this software but do hear it's quite good
> > > >for

> > > >simple antenna. It is for sure a system that uses
> > numerical analysis
> > > >to
> > > >calculate antenna parameters and it can be quite accurate. I would
> > > >like to
> > > >know how it calculates antenna radiation efficiency. The
> > source code
> > > >would
> > > >show that.
> > > >
> > > > WB5LHV Charlie has a copy of some antenna calculation software
> > > >on
> > > >his computer. I will see if it gets the same numbers that
> > EZNEC does.
> > > >
> > > >--
> > > >Yours Truly,
> > > >
> > > > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> > > >
> > > >
> > > >-----
> > > GET INTERNET ACCESS FROM JUNO!
> > > Juno offers FREE or PREMIUM Internet access for less!
> > > Join Juno today! For your FREE software, visit:
> > > <http://dl.www.juno.com/get/tagj>.
> > >
> > >
> > --
> > Yours Truly,
> > >
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> > >
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 14 Aug 2001 14:47:36 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: N0tk@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [104887] Re: [fpqrp] Anti-ARRL Sentiment

Message-ID: <3B799C78.C3216F92@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

N0tk@aol.com wrote:

>

> First, my apology in advance for commenting on this. Second, I have a biased
> opinion because I'm a 40 year supporter of the ARRL and am a life member of
> the same. Third, I currently operate exclusively cw with QRP transmitters.
> My question is, what's wrong with the 5 wpm testing for all license classes?

I couldn't see any reason to drop the speed for Extra; it was basically a CW
operators license, giving little in additional frequencies to the SSB enthusiast.

72 de Jim - AD6CW

Date: Tue, 14 Aug 2001 18:28:24 -0400
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [104888] Re: Question on CW beacons
Message-ID: <000301c12510\$6f1d9a40\$5b7abc18@johnharp>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Here's a buncha pictures of one of 'em:

<http://www.qsl.net/ae5x/ndb.html>

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Tue, 14 Aug 2001 18:47:17 -0400
From: William K Penhallegon <w4stx@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [104889] FS QRP
Message-ID: <20010814.184905.-663859.3.w4stx@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Cleaning shack to make room for new gear.

For Sale. Very fine looking and working OHR 400. Aligned at factory.
\$250 price includes CONUS shipping, 8 ohm headphones and the following
QRP Quarterly magazines.

Oct 88

July 94

Oct 94

Jan 95

Apr 95

July 95

Oct 95

Jan 96

Apr 96

July 96

Oct 96

Jan 97

Apr 97

July 97

Oct 97

Bill Penhallegon W4STX

Clearwater, Florida

Date: Tue, 14 Aug 2001 15:47:28 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: jmlowman@ix.netcom.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [104890] Re: [fpqrp] Anti-ARRL Sentiment
Message-ID: <20010814224728.45342.qmail@web14207.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Will the fat lady plse sing on this one.

73 Bill KC4ATU

Do You Yahoo!?
Make international calls for as low as \$.04/minute with Yahoo! Messenger
<http://phonecard.yahoo.com/>

Date: Tue, 14 Aug 2001 15:55:23 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: QRP-L <qrp-l@lehigh.edu>

Subject: [104891] Elecraft at Huntsville Hamfest
Message-ID: <3B79AC5B.8C75EFD8@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I will be at the Huntsville, AL hamfest this weekend. Please feel free to stop by the Elecraft booth to say hi and check out our new goodies. In addition to the K1, K2 and accessories, I will be showing off the new KAF2 internal audio filter/real time clock along with our new MH2 microphone for the K2.

I should also be at the QRP get together Saturday night. If I survive the heat it should be fun!

72, Eric WA6HHQ

--

<http://www.elecraft.com>

Date: Tue, 14 Aug 2001 16:57:45 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Qrp-1@LEHIGH.EDU
Subject: [104892] LIGHTNING STRIKE at K3TKS
Message-ID: <3B795889.14029.4A99B7@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

George Gingell, K3TKS, is temporarily "off the air" due to a lightning strike on Saturday. It hit a couple of trees just outside his house, did some damage to his house and wiped out his modem. Just got off the phone with him and it sounds as if it was pretty exciting-- hopefully he'll be back on the air and able to provide a full report soon.

73

Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express and Oak Hills Research
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
<http://www.ohr.com>

(303)752-3382

--

End of QRP-L Digest 2281
